CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Terminal, Sacramento, Calif., San Francisco Produce & Provision Terminals, Inc., plans, $6,000,000.

Generating station, Chicago, Ill., Sanitary Dist., making plans, $6,000,000.

Sewers, St. Louis, Mo., Bd. Pub. Serv., takes bids in August or September, $3,360,000.

Warehouse and canning plant, Oakland, Calif., California Co-operative Producers, plans, $3,000,000.

Office, Newark, N. J., J. C. Eisele, Inc., having sketches made, $2,000,000.

Transmission line, Texas, West Texas Utilities Co., making plans, $2,000,000.

Sewers, Los Angeles, Calif., Los Angeles Co., made surveys, $2,000,000.

Bridge, St. Louis, Mo., takes bids in August, $1,500,000.

Hotel, St. Louis, Mo., Syndicate, making preliminary plans, $1,500,000.

Waterworks, Santa Barbara, Calif., City, plans, $1,498,000.

Theatre, Portland, Ore., Washington Theatre Enterprises, having plans prepared, $1,000,000.

Bids Desired

Club New York, N. Y., July 26, by New York Athletic Club, $4,800,000.

Apartment hotel, Chicago, Ill., Delaware Building Corp., taking bids, $1,500,000.

Bids Received

Auditorium, Cleveland, O., June 22, from Hunkin-Conkey Constr. Co., $1,749,000.

Contracts Awarded

Bank and office, New York, N. Y., Chase Nat'l. Bank, to C. T. Willis, Inc., $7,000,000.

College, Montreal, Que., Jesuit Fathers to A. Deschamps, $2,000,000.

College, Moraga, Calif., St. Marys College, to J. P. Brennen, Berkeley, $1,750,000.

Apartment, Pittsburgh, Pa., Morewood Gardens Co., to W. T. Grange Co., $1,400,000.

News of the Week

Waterworks

Proposed Work

Mass., Quincy (br. Boston)—Voted $15,000 bonds, new water service connections, etc. in various streets. Private plans.

Ga., Atlanta—W. Zode Smith, supt. Water Works Dept., soon takes bids extending and improving water system, pumping plants, power house, etc. $500,000. J. N. Eley, Atlanta Trust Bldg., engr.

Ga., Waycross—See "Sewers."

Ind., Evansville—Making surveys waterworks improvements. To exceed $15,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Ia., Ogden—Voted $15,000 bonds, new deep well, pumping equipment, etc.

Mo., Sweet Springs—City, A. Harwood, clk., will not extend water system, construct reservoir, etc., at present time. J. W. Shickles & Co., 708 New York Life Bldg., Kansas City, engrs. This corrects report in June 30 issue.

Tex., Alamo Heights — Making plans waterworks improvements. $25,000. S. F. Crecelius, 201 Torcido Dr., San Antonio, engr.

Tex., Midway—Real Estate Bd., T. E. Ackers, et al, Jacksonville, take bids after July 10, distributing system, well, pumping equipment, etc., here. $35,000. Private plans.

Tex., San Antonio—See "Unclassified."

Okla., Anadarko — Making preliminary plans extending 14,500 ft. 4- to 8-in. c.i. mains in various streets. Election soon $35,000 bonds for same. C. Riggins, Anadarko, engr.

Okla., Mangum — Making estimates waterworks extensions. To exceed $50,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Mooreland—Soon takes bids complete waterworks. $35,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, consult. engrs. Noted May 5.

Okla., Sentinel — Making preliminary plans new waterworks. $25,000. A. Winningham, city clk. Engineer not announced.

Calif., Monrovia—Voted $175,000 bonds, improving waterworks, etc. Noted Apr. 28.

Calif., Monrovia—Voted $220,000 bonds, laying pipe lines, purchasing lands, etc. H. S. Gierlich, city engr.

Calif., Santa Barbara—Making plans developing water supply, constructing tunnel through Santa Ynez Mts. and developing additional storage facilities in Santa Ynez water shed, $1,404,000, or storage reservoirs, and developing underground supply south of Santa Ynez range for emergencies and providing additional storage facilities in Santa Ynez watershed above Gibraltar Dam, $1,498,000. V. E. Trace, supt. water dept.

Calif., Santa Maria—City Trustees soon take bids 28,300 ft. 18 in. rein.-con. centrifugal (Hume process) rein.-con., electric welded steel 10 in. gauge, or Natl. lap-welded pipe. H. Neel, Jr., city engr.

Calif., Sebastopol—Voted $38,000 bonds, extending waterworks.

Calif., Shafter — Shafter Pub. Utilities Dist. plans election $300,000 bonds, drilling 2 wells and installing new mains in various streets.

Que., Huberdeau—Soon takes bids waterworks. C. C. Lersard, 33 Grande Allee, Quebec City, engr. and archt.

Ont., Thorold — Thorold Twp. plans waterworks. $90,000. W. Chipman, Mail Bldg., Toronto, engr.

Bids Desired

N. Y., New York — July 12, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bainbridge, Bouck, Castle Hill, Croes, East Bay and Hollers Aves., etc.

Pa., Phila.—July 14, by Bureau Waterworks, Contrs. 805, 879, 884, 887, 888 and 889, also 8 in. high pressure fire service line, etc., in Sepviva St. from Susquehanna Ave. to Hagert St., Contr. 888.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

La., Roseland—July 14, by Town Council, Town Hall, W. E. Palmer, mayor, waterworks. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr. Noted Apr. 14.

Ky., Louisville — See "Contracts Awarded."

Wis., Norwalk—July 12, by V. C. Wruck, village clk., 12,450 ft. 6- and 8-in. c.i. pipe, fifteen 6 and one 8 in. gate valves, 26 hydrants, approximately 2,400 ft. 4 or 8 in. supply mains; 150,000 gal. concrete underground storage reservoir, concrete springhouse and 20,000 gal. clear water basin, or alternate bids drilling well. $35,000. Druar & Milinowski, Globe Bldg., St. Paul, Minn., engrs. Noted May 10.

Tex., Odessa—See "Unclassified."

Okla., Carter—July 12, by G. C. Mitchell, city clk., new waterworks, incl. 26,300 lin. ft. 2- to 6-in. pipe, 2 deep well pumps, etc. $31,000. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted May 26.

B. C., Vancouver—July 12, by City Council, one hundred 6 in. hub end gate valves. C. Brackenridge, City Hall, engr.

Contracts Awarded

Mass., Newton (Ind. br. Boston)—For 2,034 lin.ft. concrete culverts, for Laundry Brook, to J. MacDonald Constr. Co., 77 Summer St., Boston, $43,670.

N. Y., Hamburg — Bd. Village Trustees, filteration plant, to A. Phelps & Son, 5150 Braden St., Detroit, Mich., $73,591. Noted Apr. 21.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Forest Ave., Hylan Blvd., etc., to Knight & DeMicco, Inc., 448 East Tremont Ave., New York City, $29,390. Noted June 16.

N. Y., Westfield — Bd. Water & Sewer Comrs., Easton Hall, 7,400 lin.ft. 14 in. c.i. waterpipe to United States Cast Iron Pipe & Fdry. Co., Burlington, N. J. Noted June 16.

Md., Baltimore—Bd. Awards, mains in Wagners Point and Fairfield Rd., to M. and J. B. McHugh, 5006 Wakefield Rd., for Mayor and City Council. $75,225. Noted June 9.

Va., Clarendon—Supervs. Arlington Co. constructing reservoir, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, $61,840.

La., Many—City Clerk, waterworks improvements, incl. well, to Layne-Louisiana Co., Lake Charles, $5,500; fire pumps and compressor, to Fairbanks-Morse Co., 1000 St. Charles St., New Orleans, $5,490; plant and pipe line, to Montgomery Constr. Co., Kaplan, $11,502; pipe, to Natl. Cast Iron Pipe Co., Santa Fe Bldg., Dallas, Tex., $14,223; tank and tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., and valves, to Columbia Iron Wks., c/o Swanson McGraw, Inc., Balter Bldg., New Orleans, $2,151. Noted May 28.

Ky., Louisville—Louisville Water Co., 435 South 3rd St., J. J. Miller, pres., will construct 10,800 ft. 20- to 30-in. mains in western part city, by own forces. $114,000. Private plans.

Mich., Grand Haven—City, constructing filter plant, Div. A, to G. E. Tillman, Centralia, Ill., $57,653, engrs. est. $63,335; filter equipment and piping, Div. B, to Roberts Filter Mfg. Co., Darby, Pa., $24,940, engrs. est. $26,475. Noted May 26.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, system c.i. supply pipes with castings, c.i. fire hydrants, and valves, brick basins, etc., in portions South Peoria, Summerset, North Natoma, Pratt, North Francisco, North Mozart, North Sacramento, and South Karlov Aves., South Sangamon, West 93rd and West 56th Sts.

See proposal advertising on page 160

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Only 51 days between the decision to build an emergency water works plant - - *and the finished job!*

- - the speed with which Leadite jointing can be accomplished contributed to this remarkable feat.

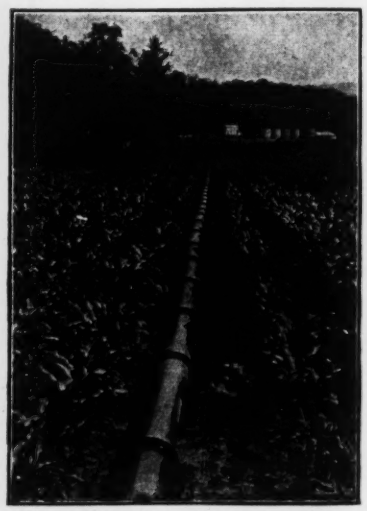
THE line illustrated here is 26,000 ft. of 12" pipe with LEADITE joints.

Owing to the emergency which arose in the city for which the installation was made no trenching could be attempted.

The line lies throughout its entire length on the surface of the ground without any bracing except at the bends.

After completion the line was tested to 260 lbs. pump pressure.

It is now under constant pump working pressure of 230 lbs. For over 30 years now, LEADITE has demonstrated by test and experience that it is absolutely permanent and secure.



Part of the 26,000 ft. installation, crossing an open field. Chas. E. Waddell & Co., Engineers.

Leadite is self-caulking and is so simple to use that the method of using it can be taught to even the most inexperienced help in a very short time.

Added to its speed and ease of use—Leadite saves at least 75% on account of saving in material and labor.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

to G. G. Anderson, Chicago; in portions Rogers, Petterson, Sauganash, North Keystone, North Karlov, North Kedvale, North Keeler, North Tripp, Kildare, Lowell, North Kostner, Granville and Glenlake Aves., to S. Ryan, 2927 West Congress St.

Ill., Galesburg—City, pumping station, Div. A, construction work, to Preister Constr. Co., Davenport, Ia., $27,880; Div. B, vitr. pipe and valves, to Roberts Filter Co., Darby, Pa., $10,980; Div. C, pumps, to Amer. Well Wks., Aurora, $10,540; and Div. D, plant equipment, to O. E. Ray, Abbington, $11,278. Grand total $60,678. Noted May 26.

Ia., Lisbon — C. R. Runkle, town clk., 75,000 gal. tank on tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, $8,000; 9,000 ft. 4 in. and 1,000 ft. 6 in. c.i. pipe, 4 hydrants, 11 gate valves, etc., to P. Berg, Reinbeck, $12,000. Noted June 2.

Mo., Butler—City Clerk, 1 m.g. rein.-con. reservoir, 125 ft. diam. and 15 ft. deep, to Collins Constr. Co., Leavenworth, Kan., $15,000. Noted June 16.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rein.-con. covers for four 275 x 600 ft. storage reservoirs at Bissells Point Waterworks Sta., and one 402 x 500 ft. at Baden Waterworks Pumping Sta., to F. A. Stiers, Garrison and Magazine Sts., $350,320 and $119,912 respectively. Engrs. est. $430,000 and $140,000 respectively. Noted June 2.

Tex., Fayetteville—Waterworks improvements, incl. 15,655 lin.ft. 2- to 8-in. c.i. pipe, 50,000 gal. tank on 100 ft. tower, 100 g.p.m. pump and motor, etc., to W. G. Davis, 509 North Texas Bldg., Dallas, $28,823. Engrs. est. $30,000. Noted Feb. 3.

Tex., Houston—Water System, incl. 50,000 gal. tank, 59,000 gal. ground storage pumps, air compressor, 3,000 ft. 8 in. and 40,000 ft. 2 in. mains, to Utilities Constr. Co., Houston, $53,000.

Tex., Lockney—Waterworks extensions, etc., to G. E. Prendergrast & Co., 2142 Ave. H Wichita Falls, approximately $25,000. Noted Mar. 17.

Tex., Perryton — Waterworks improvements, incl. 250,000 gal. concrete reservoir, to H. C. Burt, Hutchinson, Kan., approximately $9,950. Noted June 16.

Tex., South Houston — For 50,000 gal. tank, 59,000 gal. ground storage, 3,000 ft. 8 in. c.i. pipe and 40,000 ft. 2 in. pipe, to Utilities Constr. Co., Houston, $53,000. Engrs. est. $55,000.

Calif., Monterey Park—To Elliott & McKenna, Balisle, 2 m.g. concrete reservoir $20,140, grading roadway $150,380 ft. 10 in. cement pipe $228, etc. Noted June 2.

Sewers

Proposed Work

Mass., Revere—Plans sewers, etc. in various streets. $26,950 appropriated. Private plans.

Ky., Southgate—Plans 15,000 ft. sewers in various streets. $80,000. E. E. Nepper, 128 Walnut St., engr.

O., Alliance—Making plans sewage disposal plant. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

O., Oxford—Making plans approximately 4 mi. 10, 15 and 20 in. vitr. sewer in section village South of High St. and between Oak and College Aves. $50,000.

Mich., East Lansing—Made plans 7,400 ft. 24 and 30 in. rein.-con. interceptor and sewage treatment works. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs. $100,000.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—Making preliminary plans trunk sewer and 24 and 48 in. sanitary collector, also temporary pumping station. $425,000 bond election soon for same. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., New Boston—Wayne Co. (Detroit), G. A. Dingman, drain comr., making preliminary plans approximately 7,500 ft., 30 and 42 in. rein.-con. drain and concrete tank, here. $100,000. F. W. Little, Wyandotte, engr. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, consult. engrs.

Ill., Belleville—Made plans intercepting sewers in various streets. $100,000. Pearce, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ill., Brookport—Making plans new sewerage system. $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Ill., Edwardsville—Takes bids about Aug. 15, 12,345 ft. 10- to 18-in. vitr. clay sewers, 536 ft. 12 and 14 in. c.i. pipe, 35 manholes, 2 septic tanks, 48 ft. diam. and 31 ft. deep, etc., also 6,500 cu.yd. grading various streets. $52,464. Sheppard & Morgan, Edwardsville Bank Bldg., engrs. Noted Apr. 21.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, takes bids in August or September, constructing section River Des Peres Sewer Project, incl. two 29 x 25 ft. adjacent rein.-con. horseshoe pipes in covered ditch, and short connection with Union Blvd. Sewer; later takes bids 1 mi. section same sewer, incl. 29 x 25 ft. rein.-con. horseshoe through Forest Park between Union and Skinker Blvds.; also plans 1 mi. section same sewer replacing River Des Peres Project between Skinker Blvd. and city limits. $3,360,000. W. W. Horner, 300 City Hall, engr.

Tex., Amarillo — Making plans sewage disposal plant. $300,000. H. B. Jones, Amarillo, engr. Noted June 16.

Tex., Ft. Worth—City, c/o O. E. Carr, mgr., making surveys, etc., enlarging disposal plant from 8 m.g. to 20 m.g. capacity. $50,000. D. L. Lewis, city engr.

Tex., Midway—Real Estate Bd. T. E. Ackers, et al, Jacksonville, take bids after July 10, sewers in various streets, here. $40,000. Private plans.

Okla., Ada—Soon takes bids sewage disposal plant. $50,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted May 5.

Okla., Mooreland—Soon takes bids complete sewerage system and disposal plant. $40,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, consult. engrs.

Calif., Los Angeles—Los Angeles Co. made surveys storm drain to serve Pasadena, South Pasadena, Alhambra, etc. $2,000,000 or more.

Calif., Uklah—Voted bonds to exceed $25,000, extending sewerage system. Noted July 15.

Ont., Grimsby—Making plans sewers in down town district. $100,000. F. A. Dallyn, 71 King St. W., Toronto, engr.

Bids Desired

Mass., Lakeville—July 11, by Commissioner Pub. Health, 5,500 ft. 10 in. pipe, manholes and connections to buildings and existing sewers and rein.-con. dosing tank, 14 x 20 x 5½ ft. with wooden building over it, 6 sand filters each 80 ft. square with embankments and under drains, 1,100 ft. ditch, installing gates, valves, and appurtenances, etc., at sewerage disposal works Lakeville Sanatorium, for Commonwealth of Massachusetts.

R. I., East Providence—July 18, by Com. on Sewage Disposal of Town East Providence, Town Hall, sewage disposal plant. City Wastes Disposal Co., 45 7th Ave., New York City, engrs.; adv. E. N.-R. July 7.

N. Y., Long Island City—July 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Queens Blvd., Hicks Pl., Middleburgh, Potter, 45th, 114th, Sayres, and Brinkerhoff Aves., Stone, 74th, 76th and 2nd Sts., etc.

N. Y., New York—July 12, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves.; sewers in Esplanade (east side), East 149th St., Revere, Waring, Arnow, Colden, Tenbroeck and Astor Aves.

N. Y., Syracuse—July 11, by Bd. Contr. & Supply, City Hall, sanitary sewer in Atkinson, Euclid Sts., etc. N. F. Pitts, Jr., City Hall, engr.

Ky., Southgate (mail Newport)—July 14, by City Clerk, City Hall, 22,700 ft. 6- to 10-in. sanitary sewers in various streets. $80,000. E. E. Nepper, 128 Walnut St., engr.

O., Garfield Heights (br. Cleveland)—July 8, by Village, sewer in portions Sects. 1, 6, 7, 9, 4, 3 and 10. To exceed $50,000. R. Munz, Town Hall, Cleveland, engr.

Mich., Grand Rapids—July 13, by F. H. Locke, City Hall, 8,200 ft. 42- to 72-in. vitr. crock, and concrete or brick sewers, etc., in North End Sewer System, A-23, Comstock Slight Blvd.

Tex., McLean—July 20, by W. E. Bogan, city clk., 46,700 ft. 6- to 15-in. vitr. clay pipe and disposal plant. Hasie & Rady, Clarendon, civil engrs. Noted Mar. 24.

Tex., Odessa—See "Unclassified."

Wash., Camas—July 15, by City Comn., 3 mi. 6 to 18 in. and outfall sewer in various streets. $50,000. Stevens & Coon, Spalding Bldg., Portland, Ore., engrs.

Contracts Awarded

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in Bay 10th St., to Murphy Richmond, Inc., 50 Court St., $11,733; in Linden Blvd., to Delmel Constr. Co., 7624 15th Ave., $9,470; and in East 3rd St., to Paulsen Constr. Co., 9303 Sutphin Blvd., Jamaica, $35,883. Grand total, $57,086. Noted June 9.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Ramsey St., to J. Gallo, 169-10 State St., Flushing, $41,258; Ryerson St., to E. Kelly, Jr., Flushing, $4,114; Sutphin Blvd. and Tuckerton St., to A. Paino, 9315 Union Hill, Jamaica, $339,818 and $250,351 respectively. Grand total $635,541. Noted June 16.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewer in East 234th St., to A. Spadaro, 2883 Coddington Ave., $2,368; in Timpson Pl., to F. Gabrielle, 2750 Creston Ave., $9,240; and in Cruger Ave., to A. Caserts, 2442 Barnes Ave., $11,713. Grand total $23,321. Noted June 16.

Pa., Pittsburgh — For 9- to 20-in. terra cotta sewers in Fernwald Rd., Sunnyside St., Tropical and Orangewood Aves., to F. Mannella & Sons, 1507 North Lang Ave., $33,941 engrs. est. $35,000; also 54 in. brick and 72 in. brick and concrete sewers in Bates St., to M. O'Herron Co., South McKean St., $59,825.

Ga., Claxton—C. E. DeLoach, city clk., approximately 26,650 lin.ft. 8- to 15-in. sewer, etc., in various streets, to Eatman Plumbing Co., 221 Jackson St., Albany, $25,000. Engrs. est. $25,000.

Miss., Oxford—See "Streets and Roads."

O., Cleveland—For 2,450 ft. 15- to 18-in. vitr. tile sewer in Bennington Ave., to W. B. Smith, 1350 West 89th St., $11,603, 2,565 ft. 12- to 24-in. Carrington Ave., to Kassouff & Co., 2600 Althen Ave. $19,686, 1,915 ft. 12- to 18-in. Kerton Ave., and 1,860 ft. 12- to 24-in. Sprecher Ave., to Ciraci Constr. Co., 3305 Milverton Rd., Shaker Heights $8,587 and $9,236 respectively; 1,600 ft. 12- to 24-in. Wainfleet Ave., and 390 ft. 12 in. West 133rd St., to N. J. Galvin, 16311 Saranec Rd., Cleveland, $6,627 and $1,170 respectively. Grand total $56,909. Noted June 9.

Mich., Detroit—J. Reid, comr. Pub. Wks., to Detroit Drainage Constr. Co., Meyers Rd., 4,188 ft. 6½ to 3½ ft. egg shaped sewer in Grand River Arm, Sect. 2 West of Mill Rd. Sewer $94,289, 4,957 ft. 8 ft. cylinder to 28 x 42 in. egg shaped in Grand River Arm Sect. 1 West of Mill Rd. Sewer $164,924, 2,492 ft. 6 to 2½ ft. cylinder, 602 ft. 32 x 48 in. egg shaped, etc. in West Chicago Arm West of Hubbell Ave. Sewer $62,749, 4,526 ft. 7½ to 4 ft. in Schoolcraft Arm East of River Rouge $109,509, and 4,448 ft. 7¼ ft. to 30 in. cylinder, 605 ft. 36 x 54 in. egg shaped, etc. in West Chicago Arm East of Hubbell Ave. Sewer $127,306; to P. Cappello, 9329 Kresge Bldg., 5,389 ft. 5½ ft. to 28 x 42 in. egg shaped, 1,808 ft. 12- to 24-in. crock, etc. in Fullerton Arm East and West of Hubbell Sewer, $98,455; to Black & Gargaro, Dept. Pub. Wks., 5,229 ft. 7 to 4¼ ft. in Schollcraft Arm West of Mill Rd. Sewer $139,534, and 2,285 ft. 6½ to 3½ ft. cylinder in Lyndon Ave. Arm West of Mill Rd., Sewer $64,496; to T. D. Nolan, 1401 Plymouth Rd. 1,582 ft. 5 ft. cylinder in Saunders Ave. Arm $47,687, 1,032 ft. 4 ft. cylinder and 968 ft. 32 x 48 in. egg shaped in South Coolidge Arm East of Liddesdale Sewer $50,668, also 1,277 ft. 26 x 54 in. egg shaped and 2,527 ft. 4½ to 3½ ft. cylinder in Puritan Arm East and West of Hubbell Sewer $78,609; to S. A. Healy, 1007 Amer. State Bank Bldg., 4,707 ft. 7½ to 6 ft. cylinder, etc. in Six Mile Rd. Sewer Sect. 2 $123,330, and 4,903 ft. 11½ to 7½ ft. cylinder, etc. in Six Mile Rd. Sewer Sect. 1 $241,535; to J. Porth & Son, Detroit, 4,670 ft. 7½ to 4½ ft. cylinder, 416 ft. 40 x 60 in. egg shaped and 25 ft. 10½ ft. cylinder, etc., in Lasher Rd. Arm North of Six Mile Rd. Sewer $141,672; to A. Rossi, 5307 Pennsylvania Ave., 7,722 ft. 72 x 42 in. cylinder and 30 ft. 28 x 42 in. egg shaped, etc. in Puritan Arm East and West of Mill Rd. Sewer $141,082; to J. Loguer, Detroit, 884 ft. 5 ft. cylinder, 665 ft. 32 x 42 in. and 684 ft. 28 x 42 in. egg shaped, etc. in Visger Arm East and West of Liddesdale Sewer $46,399; and to City, Dept. Pub. Wks., 2,782 ft. 6 to 4½ ft. cylinder, etc. in South Coolidge Arm West of Liddesdale Sewer $100,885, and 4,259 ft. 6¾ to 5 ft. and 25 ft. 9½ ft. cylinder, etc. in Cullen-Fort Arm Liddesdale Ave. Sewer $174,127. Grand total $2,007,256.

Mich., Pontiac—H. A. Maurer, city clk., constructing Imhoff tank and junction chamber addition to sewage disposal plant, to Culbertson & Kelly, 876 West Milwaukee St., Detroit, $44,145. Noted May 26.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to Zimmermann & Zimmermann, Milwaukee, sewers in 13th Ave. $8,709, 35th St. $619, Forest Pl., 36th, 38th, 39th, Toronto and Montreal Sts., $14,616; to Wenzel & Henoch Constr. Co., 49th and State Sts. Barker St. $307, and Pennsylvania Ave. $350; to A. H. Koch, Milwaukee, Roosevelt Dr., $2,013; and to Mierswa Constr. Co., 582 20th St., 33rd Ave. $3,206. Grand total $29,820.

Mo., University (Sta. St. Louis)—Sewers in Shaftsbury Heights Dist. 63, 7,500 cu.yd.

Constr. News page 2

INDEPENDENT Reinforced Concrete

PIPE

for PERMANENT SEWERS
—*and Profitable Contracts*

THE city wants a *permanent* sewer, and the contractor wants a *profitable* job! Both are made certain when the specifications call for INDEPENDENT Reinforced Concrete Pipe.

Permanence in the completed sewer is assured by the proven durability of concrete— plus these "Independent" features; accurate reinforcing, quality materials, close inspection, expert supervision and careful curing of finished pipe.

Profit for the contractor is provided by low first cost, prompt delivery, speed and economy in laying, easy-to-seal joints, and the full cooperation of our concrete pipe specialists on every job.

Write, wire or phone us for information or estimates on your next concrete pipe sewer project.

INDEPENDENT CONCRETE PIPE CO., 202 N. West St., Indianapolis, Ind.

INDEPENDENT
Reinforced Concrete Pipe

Sewers (Continued)

Class A, 700 cu.yd. Class B, and 100 cu.yd. Class C excav.; 542 ft. 42 and 51 in. vitr. segmental block two-ring complete; 4,856 ft. 8- to 27-in. vitr. clay and 2,280 ft. 6 and 8 in. lateral extensions to curb, etc., to Grant & Meinert, Fullerton Bldg., St. Louis $23,711; also granitoid sidewalks on Etzel Ave. between Ferguson and Pennsylvania Aves., to Fehlig & Ferrenbach, Inc., 3500 Hickory St., St. Louis, $1,858.

Calif., Gilroy—To Oakland Sewer Constr. Co., 354 Hobart St., Oakland, pipe extensions $12,842, irrigation pipe, etc. $9,265, and laying 1,454 ft. 8 in. vitr. or concrete pipe line $1,156; also to J. Currie, 1100 Peninsula Ave., Burlingame, disposal plant, etc. $28,235. Grand total $51,498. Noted June 16.

Calif., Los Angeles—City Harbor Dept., for Fish Canneries Sewer, 2,925 ft. 24- to 36-in. light rein.-con. pipe under railway tracks, etc., to J. Grabovich, Hibernian Bldg., $26,579. Noted Apr. 28.

Waste Disposal

Proposed Work

N. J., Elizabeth — Bd. Council Bureau Pub. Wks., City Hall, plans garbage incinerator. $250,000. Engineer not selected. Owner requests interested contractors to communicate with them.

Bids Desired

Ill., Lake Forest—July 22, by Mayor & City Council, at office J. F. King, city clk., alternate bids on Incinerator 1; incl. 2 unit, 10 ton capacity each, in 12 hours, brick and concrete building for same with fuel storage space, brick chimney, etc.; Incinerator 2, 2 unit 7.5 ton capacity, brick and concrete building for same and chimney built for additional 7.5 ton additional unit, coal storage space, etc.; Incinerator 3, 1 unit 20 ton capacity in 12 hours, brick and concrete building for same, coal storage space, brick chimney, etc.

Contracts Awarded

N. J., Paterson — Bd. Pub. Wks., City Hall, furnaces and flues for incinerator plant, to Hiler Eng. & Constr. Co., 122 Livingston St., Brooklyn, $108,964. Noted Apr. 20.

Bridges

Proposed Work

Ga., Augusta — State Hy. Dept., East Point, Ga., and State Hy. Dept., Columbia, S. C., making plans 3 span 1,882 ft. steel and concrete bridge over Savannah River, at Fureys Ferry, near here, Richmond Co. $250,000.

Ga., Fitzgerald—E. M. Elliott & Associates, 3628 West 64th Pl., Chicago, Ill., making preliminary surveys bridge over Okmulgee River at Lampkins Old Field Ferry, near here.

Ill., Chicago — Cook Co. Hy. Dept., County Bldg., made plans widening 3 span bridge, incl. roadway and sidewalks on each side over Des Plaines River, at Grand Ave. $40,000. G. A. Quinlan, County Bldg., engr.

Missouri—State Hy. Comn., Jefferson City, making plans two 12 ft. rein.-con. slab, one 40 and two 35 ft. rein.-con deck girder spans, etc. in Audrain Co.; one 35 ft. rein.-con. deck girder, two 6 ft. and two 20 ft. rein.-con. slab spans, etc., Bollinger Co.; 40 ft. rein.-con. deck girder span, etc., Cooper Co.; two 12 ft. and seventeen 20 ft. rein.-con. slab, two 25 ft. rein.-con. deck girder, four 70 ft., one 90 ft. and one 100 ft. steel truss spans, etc. in Chariton Co.; two 5 ft. rein.-con. slab, two 35 and four 50 ft. rein.-con. deck girder spans, etc. in Greene Co.; one 8 ft., two 12 ft., and one 16 ft. rein.-con. slab three 40 ft. and two 45 ft. rein.-con. deck girder spans, etc. in Lawrence Co.; two 12 ft. rein.-con. slab and one 80 ft. steel truss spans, etc. in Pike Co. T. H. Cutler, ch. engr.

Mo., St. Louis—Takes bids in August, steel and timber railroad approach to St. Louis Municipal Bridge, here. $1,500,000.

Tex., Lynchburg—Harris County Bridge Co., Houston, plans 3 span 630 ft. bascule bridge, here. $500,000. J. B. Strauss, 311 Sheridan Rd., Chicago, Ill., engr.

Okla., Binger—State Hy. Dept., Oklahoma City, making preliminary plans 3 span 225 ft. steel truss bridge on piers over Pond Creek, on Highway 41, Caddo Co., near here. $40,000. C. R. Mindigo, Capitol Bldg., Oklahoma City, engr.

Okla., Blackburn—Pawnee Co. (Pawnee) making preliminary plans 3 span 240 ft. steel truss bridge on concrete piers over Black Bear Creek, near here. $35,000. O. F. Sewell, Pawnee, engr.

Okla., Carter—State Hy. Dept., Oklahoma City, making preliminary plans 1 span 90 ft. steel truss bridge on piers over Elk River, on Road 41, Beckham Co., near here. $40,000. C. R. Mandigo, Capitol Bldg., Oklahoma City, engr.

Okla., Cordell—State Hy. Dept., Oklahoma City, making preliminary plans 4 span 360 ft. steel truss bridge on piers over Washita River, on Road 41, Washita Co., east of here. $50,000. C. R. Mandigo, Capitol Bldg., Oklahoma City, engr.

Calif., Riverside—City, defeated $105,000 bonds, constructing Victoria Ave. Bridge. Noted Mar. 3.

Calif., Freeport (mail Sacramento) — Sacramento Co. (Sacramento), and Yolo Co. (Woodland), making plans steel bascule type bridge over Sacramento River, here. $200,000. C. Deterding, Sacramento, surv. former and A. G. Proctor, Woodland, surv. latter counties. Noted Apr. 28.

Bids Desired

Pa., Phila. — July 11, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., superstructure for bridge, Contr. 85-1927.

Md., Hyattsville — July 12, by State Roads Comn., Baltimore, three 21 ft. span rein.-con. girder bridge with 24 ft. roadway over Northwest branch, on Ager Rd., here, Prince George Co. J. N. Mackall, chn.

Kentucky—See "Streets and Roads."

Michigan—July 13, by H. C. Fleming, resident engr., 7 Monument Sq. Bldg., Grand Rapids, F. A. Grade Separation Project 4111001, Contr. 1, three 47 ft. 7⅞ in. span rein.-con. T-Beam type, 40 ft. roadway, Kent Co., for State Hy. Dept., Lansing.

Michigan—July 20, by W. W. Lavers, resident engr., Plymouth, F. A. Grade Separation 4706001 Contr. 1, two 33 ft. and one 42 ft. span rein.-con. T Beam Type, 40 ft. roadway, Livingston Co., for State Hy. Dept., Lansing.

Ill., Quincy—July 19 (extended date), by City Clerk, bridge over Mississippi River. C. A. P. Turner Co., Builders Exch. Bldg., Minneapolis, Minn., engrs.; adv. E. N.-R. July 7. Noted June 16.

Kan., Kansas City — See "Streets and Roads."

Texas—See "Streets and Roads."

Ore., Portland—July 15, by Comrs. Multnomah Co., Court House, improving Broadway Bridge, widening west approach, redecking, constructing safety islands, also 38 ft. ramp and loading stations. $750,000. G. W. Buck, Court House, co. engr. H. H. Rode, 250½ 3rd St., bridge engr. Noted Sept. 16.

B. C., Wardner — July 11, by Minister Pub. Wks., Victoria, concrete piers and substructure for bridge over Kootenay River, here, for Provicial Govt., Victoria. $30,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

Contracts Awarded

Mass., Adams—Town, Bd. Selectmen, 60 ft. plate girder bridge on concrete abutments, 50 ft. to D. S. McGrath Co., Inc., Adams.

Mass., Danvers — Comrs. Essex Co., Salem, rebuilding Waters River Bridge, rein.-con. and granite with two 20 ft. openings, here, to V. J. Grande, 100 Academy Hill Rd., Brighton, $94,000. Noted June 2.

Mass., Dorchester (br. Boston)—Metropolitan Dist. Comn., Boston, bascule span for section highway bridge, here, to Amer. Bridge Co., 120 Franklin St., Boston, $102,600.

Mass., Quincy (br. Boston)—Dept. Pub. Wks., Boston, rebuilding steel span bridge, Bates Ave., to Boston Bridge Wks., 47 Winter St., Boston. Engrs. est. $25,000.

Connecticut—State Hy. Dept., Hartford, 1 span 38 ft. rein.-con. bridge over Blackwell Brook, in Brooklyn and Canterbury, and 1 span 40 ft. concrete girder bridge over Fenton River in Mansfield, to L. Suzio Constr. Co., State and Brook Sts., Meriden, $13,904 and $20,210 respectively; also 24 ft. I-beam bridge to have rein.-con. approaches in Westport and Fairfield, to G. H. McKenzie & Sons, Bridgeport, $20,309. Grand total $54,423.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., rein.-con. plate girder bridge, on Half Acre-Hoffman Station Rd., over Manalapan River, to J. F. McGovern & Son, Perth Amboy, $30,755.

Virginia — State Hy. Dept., Richmond, bridge over Lynnhaven Inlet, to J. O. Sadler, Portsmouth, $92,715, and bascule draw span over Inlet, to A. S. Fox & Co., 24 North Canal St., Dayton, O., $24,439. Noted May 19.

Alabama—See "Streets and Roads."

Alabama—State Hy. Comn., Montgomery **(e.e. means engrs. est.)**, superstructure for 3 span steel bridge over Chattahoochee River near Alaga, Houston Co., to Nashville Bridge Co., Shelby Ave., Nashville, Tenn., $55,961 e.e. $56,600; substructure for above with concrete foundation, 200 ft. approaches, etc., to Atkinson & Brown, Thomasville, Ga., $53,866 e.e. $54,200; 4 small concrete bridges on Bessemer-Tuscaloosa Highway, and repairing 2 others, Jefferson Co., to W. C. McCoy, LaFayette, $14,988 e.e. $15,200; widening bridge and constructing small highway culverts, Russellville, Franklin Co., to Badgett Constr. Co., Guin, $13,363 e.e. $15,100; also 1 span 185 ft. rein.-con. bridge over railroad crossing, Albert City, Tuscaloosa Co., to Southern Constr. Co., 615 South 11th St., Birmingham, $24,116 e.e. $25,100. Grand total $162,294. Noted June 9.

Miss., Hernando — See "Streets and Roads."

Miss., Jackson—A. J. Johnson, city clk., City Hall, rein.-con. bridge, 2,117 cu.yd. concrete, 380,000 lb. steel and 3,000 cu.yd. excav., to McGee & Wetmore, Jackson, $58,487. Noted May 26.

O., Cincinnati—C. O. Sherrill, city mgr., remodeling and strengthening 22 span 1,500 ft. viaduct, 52 ft. wide, 36 ft. roadway, on Harrison Ave., to E. M. Scully, 1431 Eastwood Ave., Columbus, $198,878. Engrs. est. $254,500. Noted May 12.

Ill., Chicago—Cook Co. Hy. Dept., County Bldg., 100 ft. concrete, bridge 54 ft. over Salt Creek, at 17th St., also paving 0.25 mi. on either side bridge, to Joliet Bridge & Constr. Co., Joliet, $50,877 and $29,919 respectively. Noted Mar. 31.

Iowa — State Hy. Comn., Ames **(B.P. means Bridge Project)**, one 70 x 20 ft., and one 50 x 20 ft. pony truss bridges on B.P. 172 and 397, Grundy Co., to Lundgren-Reis Co., 65 College St., Des Moines, $9,767; one 32 x 20 ft. and three 40 x 20 ft. I-beam bridges, one 24 x 24 ft. slab bridge, one 90 x 20 ft. pony truss bridge and 9 culverts on B.P. 202, Butler Co., to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, $36,210; 26 culverts on B.P. 391, Mills Co., and 26 culverts on B.P. 388, Monroe Co., to Wilson Concrete Co., Red Oak, $17,600 and $12,380 respectively; 23 culverts on B. I. 392, Floyd Co., to Ward Constr. Co., Decorah $10,384, 11 culverts on B.P. 378, Wright Co. to Hildebrand & Kragh, Belmont $3,093, 6 culverts on B. I. 403, Keokuk Co., to Wallace Lumber Co., Sigourney, $2,245, also 24 culverts on B.P. 389, Appanoose Co., to Snyder & Johnson, Humboldt, $21,283. Grand total $112,962. Noted June 2.

Kan., Columbus—Cherokee Co., two 70 ft. steel truss, two 35 ft. deck girder and one 20 ft. slab span bridge, on U. S. Rd. 166, Federal Aid Project 299-B, to Kelley & Underwood, Grandby, Mo., $23,462. Noted June 9.

Wis., Fond du Lac—See "Streets and Roads."

Ore., Portland—Multnomah Co., Court House, 2 concrete bridges on Canyon Rd., to Lindstrom & Feigenson, Worcester Bldg., $45,810. Noted June 9.

California—State Hy. Dept., Sacramento, **(e. e. means engrs. est.)**, constructing six 15 to 56 ft. span rein.-con. girder bridge across Slate Creek at La Moine, Shasta Co., to F. J. Maurer & Son, Inc., Eureka, $23,168 e. e. $23,065; eight 35 ft. span rein.-con. girder bridge across Stockton Diversion Canal, point 1½ mi. north of Stockton, San Joaquin Co., to Frederickson Bros., Stockton, $27,917 e. e. $32,254; also forty-one 40 ft. and two 16 ft. span timber bridge across Sacramento River, near Rio Vista, Sacramento Co., to L. T. Isham, Rio Vista, $54,715 e. e. $58,678. Grand total $105,800. Noted May 26 and June 2.

Ont., Paris—A. M. Jackson, engr., Court House, Brantford, 3 span 119 ft. steel bridge, 20 ft. deck and 2 sidewalks, on William St., to Sarnia Bridge Co., Sarnia, for Brant Co. $38,850. Noted June 2.

Dams

Proposed Work

Mass., East Walpole—Bird & Sons making plans concrete dam. $25,000. Monks & Johnson, 99 Chauncy St., Boston, engrs.

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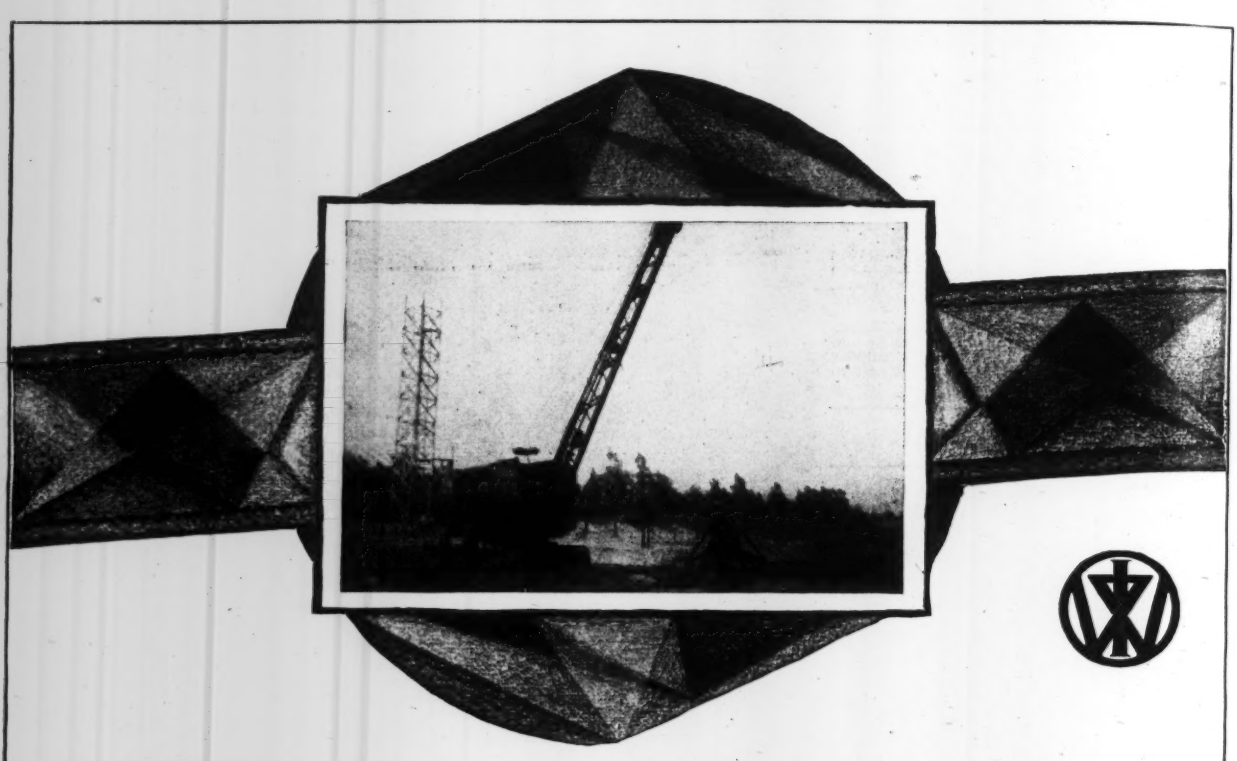

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Philadelphia, Pa. Packard Building
Pittsburgh, Pennsylvania Federal Reserve Bldg.
San Francisco, Calif. Monadnock Building
St. Louis, Mo. Railway Exchange Bldg.

Railways

Proposed Work

North Carolina—Piedmont & Northern R. R., F. H. Cothran, ch. engr., Charlotte, plans completing connecting links in lines between Spartanburg, S. C. Gastonia, Charlotte and Winston-Salem, here.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Sea Girt—Mayor and City Council plan 6 jetties on beach front. $65,000. Sincerbeaux & Moore, Asbury Trust Bldg., Asbury Park, archts.

Miss., Pascagoula — Jackson Co., voted $600,000 bonds 4 mi. rein.-con. seawall, incl. boulevard driveway from Bayou Chicot to mouth of Pascagoula River. Noted Apr. 28 under "Streets and Roads."

La., Lake Charles—Lake Charles Harbor & Terminal Comn. making plans constructing port facilities, incl. docks and warehouses, etc. $500,000 voted for same. E. Shutts, Lake Charles, engr. Noted Apr. 14.

Bids Desired

New York—July 18, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, dredging, in Hudson River, dikes, etc., in swamp area, east of New York Central R.R. tracks, and filling beach at Kingsland Point Park, etc., North Tarrytown, Contr. 96; also constructing Interlake Bridge between Reservoirs 2 and 3, of New Rochelle Water Co., on Hutchinson River Parkway, New Rochelle, town of Eastchester, Contr. 167. J. Downer, ch. engr.; adv. E. N.-R. July 7.

Minn., Hallock—July 14, by Auditor Kittson Co. excavating 411,240 cu.yd. main ditch, $41,124; part Judicial Ditch 3, leveling dump, 2 water ponds, metal culverts, etc., $8,114, for Kittson Co. (Hallock) and Marshall Co. (Warren).

Contracts Awarded

Tex., Port Arthur—Removing approximately 15,000 cu.yd. dirt north side also furnishing and placing approximately 14,000 cu.yd. shell on elevation north side Sabine Neches Canal to prevent further erosion, to W. F. Warfield Co., Beaumont, at $0.27 cu.yd. Noted June 23.

Calif., La Mesa — La Mesa Irrigation Dist., 5,500 ft. trench and backfill, to Stroud Bros. & Seabrook, 4959 34th St., San Diego, at $0.50 per lin.ft., etc.; approximately 5,500 lin.ft. 8 in. steel tubing (National), to Western Metal Supply Co., 215 7th St., San Diego, at $1.01 per lin.ft.; (Rennselaer) valves, to Water Works Supply Co., Wright-Callendar Bldg., Los Angeles, $250; 2 single stage double section 3 in. booster (American) pump connected in series to U. S. 60 hp. motor, to Hazard Tool Co., San Diego. Noted Apr. 28.

Streets and Roads

Bids Desired

Conn., Stamford—Taking bids concrete paving Courtland Ave. from railroad tracks to Glenbrook Rd., and Glenbrook Rd. from Canaan trolley tracks to city line. $25,000 or more. J. C. Williams, city engr.

N. Y., Brooklyn—July 13, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, etc. Rockaway Parkway, Bedford Ave., East 94th, West 12th and West 10th Sts., etc.; grading and sheet asphalt on concrete paving Farragut Rd., Avenue S, Clarkson and 6th Aves., East 8th, East 52nd and 45th Sts., etc.

N. Y., New York—July 12, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, etc. East 157th St. and Burr Ave.; grading and sheet asphalt on concrete paving Taylor and Colden Aves.; and bituminous on concrete paving Archer St.

N. Y., New York—July 13, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete repaving Washington Pl. from Washington Sq. East to Bway.

N. Y., St. George — July 13, by J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block repaving Richmond Terrace and bituminous on concrete paving Forest Ave.

New Jersey — July 18, by State Hy. Comn., Trenton, grading and rein.-con. paving 24,783 sq.yd. Route 5, Sect. 20, Morristown-Convent Station Rd., Morris Co. A. L. Grover, ch. clk.; adv. E. N.-R. July 7.

N. J., Somerville—July 22, Bd. Freeholders Somerset Co., 8 in. concrete paving 2 mi. East on Ave. Turnpike, 20 ft. O. Smith, Peapack, engr.

N. J., Teaneck (mail West Englewood)—July 12, by Twp. Com., Municipal Bldg., grading, curbing, sewers and 6 in. rein.-con. paving Washington Pl., Linden Ave. and Short St. A. Noack, 235 Main St., Hackensack, engr.

Pa., McKees Rocks—July 11, by Boro Council, grading and paving 1st and 2nd Sts., Penn, Eber, Herbst and Frank Alleys. $25,000.

Maryland — July 12 by State Roads Comn. Baltimore, concrete paving 1.5 mi. Contr. W-49 Washington Co., 1.33 mi. Contr. D-46, and 0.13 mi. Contr. D-2-A, both Dorchester Co., 1 mi. Contr. S-24, Somerset Co.; sheet asphalt paving 0.4 mi. Contr. Bc-70, Baltimore Co.; graveling 1.1 mi. Contr. P-74, Prince George Co.; macadam resurfacing Contr. H-46, Harford Co.; and concrete shoulders on 0.5 mi. Wo-5-D, Worcester Co. J. N. Mackall, chn.

Md., Baltimore—July 13, by Bd. Awards, sheet asphalt paving 12,560 sq.yd. streets listed Contr. 415; concrete paving 18,550 sq.yd. streets listed Contr. 414; and concrete footways listed Footway Contr. 103. S. Purcell, City Hall, highways engr.

Md., Hyattsville—July 11, by H. T. Willis, Mayor and Common Council, curbing, sidewalks and concrete paving 10,635 sq. yd. McCreary St. and Oakwood Rd.

Virginia—July 21, by State Hy. Dept., Richmond, improving Projects S-111-D, S-278-E and F, S-391, S-430-B, S-436-B, F-458-C, F-468-C, S-489, S-497 and S-504. C. S. Mullen, ch. engr.; adv. E. N.-R. July 7.

Fla., Daytona Beach—July 15, by W. A. Richards, city mgr., improving various streets, 5,117 lin.ft. combined curbing and guttering, 26,058 sq.ft. concrete sidewalk, 14,070 sq.yd. each concrete paving and wearing surface, and 3,928 ft. 15- to 27-in. storm sewer, etc. C. N. Teaff, city engr.

Miss., Carrollton — July 15, by Bd. Supervs. Carroll Co., improving 14.437 mi. Federal Aid Project 46-A, 61,515 cu.yd. excav., 91,634 cu.yd. borrow, 810 ft. 18 in. culvert pipe, 93,755 lb. reinforcing, 44 ft. concrete hand rail, 1,080 ft. foundation, and 7,264 ft. creosoted piling, 164,346 ft. creosoted and 5,544 ft. untreated lumber, etc. H. C. Dietzer, Jackson, engr.

Kentucky—July 29, by State Hy. Dept., Frankfort, **(S. P. means State Project)**, surfacing 2 mi. Danville-Lancaster Rd., S. P. 96-B, and 1.8 mi. Danville-Shakertown Rd., S. P. 168-A, Boyle Co., 3.3 mi. Leitchfield-Elizabethtown Rd., S. P. 12-C, and 4 mi. Leitchfield-Owensboro Rd., S. P. 12-D Grayson Co., 4.2 mi. Magoffin-Johnson Co. Rd., S. P. 34-D Magoffin and Johnson Counties, 6 mi. Mayslick-Wedonia Rd., S. P. 173-A, and 11 mi. Washington-Sardis Rd. S. P. 172-A Mason Co., 6.2 mi. Carlisle-Cynthiana Rd., S. P. 58¾-A Nicholas Co., 12.9 mi. Jamestown-Liberty Rd., S. P. 23-C Russell Co., and 8.2 mi. Williamsburg-Jellico Rd., S. P. 35-D Whitley Co.; grading, etc., 13.3 mi. Frankfort-New Castle Rd., S. P. 64¾-A Franklin Co., 4.8 mi. Warsaw-Florence Rd., S. P. 12-A Gallatin Co., and 4.8 mi. Bowling Green-Morgantown Rd., S. P. 11-C Warren Co.; delivering crushed stone dumped on 9.8 mi. Glasgow-Hodgenville Rd., S. P. 3-C, and on 10 mi. same road Sect. D, Hart Co.; also twenty 30 ft. approach span rein.-con. deck girder bridge with rein.-con. pile trestles and repair work on 2 existing piers, also 122 ft. steel superstructure bridge over Mayfield Creek, on Bardwell-Wickliff Rd., Federal Aid Project 131-H, Ballard and Carlisle Counties. E. N. Todd, highway engr.

O., Jackson—July 18, by R. W. Jenkins, clk. Jackson Co., grading and native silica gravel paving 0.11 mi. Green Law Rd. and Oak Hill-Centerville Rd., in Jackson and Madison Twps. $27,000.

Michigan — July 14, by G. W. Greene, resident engr., Alpena, concrete paving 5.171 mi. E. A. 123 C-1 FO16-13 Contr. 2, Cheboygan Co., 20 ft., for State Hy. Dept., Lansing.

Ill., Niles Center—July 11, by Village, rein.-con. paving portions Main St., Oakton, Cicero, Kenton and Gable Aves. $249,000. Conseer, Older & Quinlan, 104 South Dearborn St., Chicago, engrs.

Wisconsin—July 15, by State Hy. Comn., Madison, grading, concrete paving, etc. 61,855 sq.yd. Federal Aid Project 379, Dane Co. A. L. Hambrecht, div. engr.

Wis., Dodgeville—July 12, by J. E. Wedlake, comr. Iowa Co. grading and surfacing 3.26 mi. Mineral Point-Hollandale Rd., S.T.H. 39, State Project 9201.

Ia., Danbury—July 11, by J. C. Jacobsen, town clk., concrete, sheet asphalt or vitr brick paving 40,000 sq.yd. various streets. $75,000-$150,000. W. E. Buell & Co., 305 Davidson Bldg., Sioux City, engrs.

Ia., Onawa—July 22, by Auditor Monona Co., 7 in. concrete paving 14.08 mi. Primary Road 75. C. B. Zorn, Onawa, co. engr.

Minn., New Ulm — July 11, by Clerk Brown Co., graveling 121,545 cu.yd. various roads. C. N. Robertson, co. highway engr.

Minn., Buffalo—July 11, by E. R. Anderson, aud. Wright Co., improving Grading Jobs 2703 and 2704, and Graveling Jobs 2608, 2701, 2702 and 2705, incl. clearing, grubbing, 72,175 cu.yd. earth and 500 cu.yd. rock excav., 44,354 cu.yd. overhaul, 6,500 cu.yd. stripping, 36,600 cu.yd. screening, 29,460 cu.yd. loading, 89,944 cu.yd. hauling, 2,898 ft. 15- to 36-in. culvert pipe, etc.

Minn., Moorhead—July 11, curbing, swers and paving 11,000 sq.yd. various streets. Luckey-Miller Co., Moorhead, engrs. est. $30,000.

Minn., Shakopee—July 11, at office A. J. Mayer, aud. Scott Co., grading, etc., 60,000 cu.yd. State Aid Rd. 24, Job 2703.

Minn., Walker—July 12, at office A. A. Cater, aud. Cass Co., grading, etc., 59,407 cu.yd. S. A. R. 9, Job 2702.

Neb., Wausa—July 15, by G. A. Renard, village clk., Knox Co. (Center) and State Hy. Comn., **(F. A. P. means Federal Aid Project)**, 3 in. sand graveling, etc., 62,230 sq.yd. F. A. P. 113-A, 77,400 sq.yd. F. A. P. 113-C, and 50,000 sq.yd. F. A. P. 136-C; also concrete paving, etc., 13,054 sq.yd. or brick paving, etc., 12,669 sq.yd. F. A. P. 294-A, all Knox Co. R. L. Cochran, Lincoln, state engr. Rohrbaugh Eng. Co., 929 City Natl. Bank Bldg., Omaha, engrs.

Kan., Abilene—July 21, by Clerk Dickinson Co., grading, etc. 14.492 mi. Project 82, 28 ft. C. L. Nicholay, Abilene, engr.

Kan., Goodland—July 22, by Clerk Sherman Co., gravel surfacing 13,441 sq.yd. Federal Aid Project 363-C. F. G. Snart, Goodland, co. engr. Noted May 19.

Kan., Kansas City — July 11, Clerk Wyandotte Co., grading, bridging and paving, etc., various roads. To exceed $25,000. O. K. Williamson, Kansas City, co. engr.

Texas—July 18, by R. S. Sterling, chn. State Hy. Com., Austin, grading, bridging, etc. 4.997 mi. Highway 60, Wharton Co., $25,500, J. M. Nagle, Wharton, engr., 10.026 mi. Highway 33, Federal Aid Project 421-E, and 9.83 mi. Highway 33 between St. Francis and Panhandle, $30,000, both Carson Co., L. O. Cox, Panhandle, engr.; grading and 7 in. concrete or 2 in. bitulithic concrete on 6 in. concrete paving 0.703 mi. Highway 6, Federal Aid Project 515, Dallas Co., $60,000. R. H. Clinger, Dallas, co. engr.; rein.-con. paving 15.24 mi. Highway 1, Federal Aid Project 431-B, Unit 2, Hopkins Co., $420,000, Nagle-Witt-Rollins Eng. Co., Allen B'dg., Dallas, engrs. and 5.088 mi. Highway 90, State Aid Project 610-A, Unit 2, Grimes Co., $135,000. O. A. Seward, Jr., Navasota, engr.

Texas — July 19, by State Hy. Comn., Austin, R. S. Sterling, chn., rein.-con. paving 10.781 mi. Highway 12-A, Federal Aid Project 436-A, Webb Co., T. E. Huffman, Laredo, co. engr.; grading and bridging, etc. 18.977 mi. Highway 84, Kent Co., 26 ft., $60,500, Nagle-Witt-Rollins-Gilchrist, Allen Bldg., Dallas, engrs.

Tex., Odessa—See "Unclassified."

Okla., McAlester—July 11, by H. McDonald, city clk., grading and concrete paving 9,750 sq.yd. Dist. 46. $28,730. F. Frazer, McAlester, city clk.

Idaho — July 15, by J. D. Wood, comr. Pub. Wks., Boise, grading, etc. 2.206 mi. Sawtooth Park Highway between Challis and Salmon, Federal Aid Project 56-B, Custer Co.; also screen and crushed gravel surfacing 30,128 cu.yd. Lost River Highway, between Bingham Co. Line and Road junction 7 mi. east of Arco, Federal Aid Project 117-A. A. N. Ashline, dist. engr.

Nevada—July 13, by State Hy. Comn., Carson City, grading and graveling 10.000 cu.yd. Connors Pass Sect. Route 7, Sect. B-2, White Pine Co. S. C. Durkee, state highway engr.

Nevada — July 13, by Directors Dept. Highways, Carson City, grading, etc. 15.74 mi. Route 7, Sect. D-3, Lincoln Co. S. C. Durkee, state highway engr.

Arizona—July 18, by State Hy. Comn., Carson City, grading, surfacing, etc. 15,000 cu.yd. Globe-Safford Highway, Federal Aid Project 87-A. W. C. Lefebvre, Phoenix, engr.

Ore., Portland—See "Bridges."

California—July 18, by State Hy. Comn., Sacramento, grading 2.3 mi. road between Myers Creek and point 3 mi. west of Coyote

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Streets and Roads (Continued)

Wells, Imperial Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Hawthorne—S. V. Fraser, city clk., taking bids grading, curbing, guttering and asphaltic concrete paving, etc. portions Wilbur Ave. and 5th St., etc. To exceed $25,000. Noted June 9.

Calif., Los Angeles—July 18, by Supervs. Los Angeles Co., grading, etc., 3.21 mi. Godde Hill Rd. between Palmdale and Elizabeth Lake Rd. G. W. Jones, Hall of Records, engr.

Calif., Modesto—July 13, by C. C. Eastin, clk. Stanislaus Co., 2 in. oil macadam paving 7,865 lin.ft. Tully Rd., 16 ft. J. H. Hoskins, Modesto, co. surv.

Ont., St. Catharines—July 14, by J. E. Riffer, secy. Suburban Road Comn., concrete paving 18,000 sq.yd. Merritville Rd., Lincoln Co. $50,000. Rutherford & Ure, 24 Queens St., engrs.

Contracts Awarded

New Hampshire—State Hy. Dept., Concord, 3 in. bituminous macadam on 5 in. broken stone paving 8,000 sq.yd. Mosiluke Rd. in Plymouth, to R. E. Bull, Fitchburg, Mass., $25,965, engrs. est $32,000; and 3 in. bituminous macadam on 8 in. field stone paving New Hampshire College Rd. in East Kingston, to Roble Constr. Co., Manchester, $41,668, engrs. est. $63,000. Noted June 23.

Massachusetts—State Hy. Dept., Boston, bituminous macadam and rein.-con. paving 4,800 ft. highway in Taunton, to Greany & Sherry, Fall River, $49,486; graveling 3,000 ft. in Great Barrington, to J. F. Donahue, Worcester, $13,086; bituminous macadam paving 4,600 ft. in Weston, to Taylor Constr. Co., Milford $27,435, 3,700 ft. in Saugus, to M. McDonough, Swampscott $23,652, 9,838 ft. in West Brookfield, to Aruto Bros., Inc., New Britain, Conn. $106,550, and 2,500 ft. in Canton, to Powers Bros., Brockton, $17,664, all 18 ft. wide. Grand total $237,873. Noted June 16.

Mass., Boston—Sheet asphalt paving Quincy St., to H. F. Malley Co., 96 Tyndale St., Roslindale, $43,417; and bitulithic paving Bennett St., etc., to A. DeStefano & Sons, Inc., 288 Summer St., $36,041.

Mass., Boston—Dept. Pub. Wks., sheet asphalt and bitulithic paving various streets in Wards 17 and 29, Dorchester, to C. Capone, 11 Hemlock St., West Roxbury, $22,887. Engrs. est $25,000. Noted June 9.

Mass., Swampscott—Town, Bd. Selectmen, Town Hall, sheet asphalt resurfacing various streets, to M. McDonough Co., 620 Humphrey St. Engrs. est $25,000.

Conn., New Haven—Asphalt (by heater method) paving State St., to C. W. Blakesley & Sons, 58 Waverly St. Engrs. est. to exceed $25,000. Noted June 16.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., asphalt block repaving Steinway Ave., to J. Gallo, 169-10 State St., Flushing, $112,811; sheet asphalt on concrete paving, etc. 106th and Hinman Sts., to Highway Impvt. & Repair Corp., Furmans Island, Brooklyn, $14,690 and $26,257 respectively; grading 65th Rd., to C. H. Georgi, 15 Ely Ave. $1,521, 29th St. and curbing, etc., 123rd St., to M. J. Grant, 139 Potter Ave., Astoria, $2,919 and $341 respectively, 103rd St., to C. Kurth, 9519 126th St., Richmond Hill, $5,386, and bulkhead, fill, etc. Beach 145th St., to J. D'Amato, Rockaway Beach, $5,861. Grand total $169,786. Noted June 16.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to S. Nugent, Riverside Dr. and 170th St., grading, etc. Riverdale Ave., $382,576; to C. D. Beckwith, Seneca Ave. and Edgewater Rd., grading and sheet asphalt paving Nalton Ave. $37,054, to Asphalt Constr. Co., 2197 Madison Ave., River Ave. $38,188 and to Dock St. $19,123; Gaffney Constr. Co., Storey and Hermany Aves., River Ave. $27,918, Aldus St. $25,358 and Colgate Ave. $25,943. Grand total $556,151. Noted June 16.

N. J., Reaville—Hunterdon Co. (Flemington), grading and paving 3.3 mi. Three Bridges-Readville Rd., here, to Thompson & Drumm, White House, $63,928. Noted June 9 under "Three Bridges."

N. J., Collingswood (Ind. br. Camden)—Boro Council, sheet asphalt paving between trolley rails on Richey Ave., to Fish-Rutherford Contg. Co., 542 Penn St., Camden, $80,000.

Pennsylvania—State Hy. Comn., Harrisburg **(A. means Application and R. Route)**, grading, etc., 7,795 ft. R. 170, Sect. 2, Luzerne Co., to R. H. Cunningham & Sons, Turtle Creek, $239,361; rein.-con. paving, etc., 2,928 sq.yd. R. 246, A. 4339, Butler Co., to O. B. Bracht, Titusville $9,311, 5,574 sq.yd. R. 2, Montgomery and Northumberland Counties, to T. B. Evans, Danville $22,376, 4,696 sq.yd. R. 59, Sect. 6, Clearfield Co., to Avery & Bailey, Philipsburg $21,631, 2,859 sq.yd. R. 213, A. 4100-3936, Mercer Co., to Jamison & Knapp Co., Fredonia $8,177, and 6,375 sq.yd. A. 4524, Northumberland Co., to Juniata Co., Empire Bldg., Phila. $44,157. Grand total $345,013. Noted May 19.

Pa., Pittsburgh—General contract grading, curbing, paving, etc., Traymore Ave. between Sebring and Crimson Sts., and Orangewood Ave. between Sebring and Princess Sts., to Booth & Flinn, Ltd., Forbes St., engrs. est. $30,000 and $25,000 respectively; widening and paving, etc., Lincoln Ave. and repaving Bates St. between 2nd Ave. and Wilmot St., to G. S. White Co., Jenkins Arcade, $45,991 and $36,387 respectively; and repaving Bayard St. between Devonshire and Amberson Sts., to M. O'Herron Co., South McKean St., $25,147.

Md., Baltimore—Sheet asphalt paving 9,500 sq.yd. streets listed in Contr. 409, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $43,785. Noted June 23.

Virginia—State Hy. Comn., Richmond, concrete surfacing 2.5 mi. Bush River Rd., Route 10, to Leighton & Tinsley, Richmond, $111,130; and 3.96 mi. Route 13, to G. Y. Carpenter, Chester, $130,492. Noted May 19.

W. Va., Bridgeport—Grading, etc., portions Lowman, Pennsylvania and Mechanic Sts., to T. P. Keenan & Co., Clarksburg, $25,884. Noted Mar. 31.

W. Va., Morgantown—Monongalia Co., 4 mi. macadam paving State Route 7, Clay Dist., to Keeley Constr. Co., Clarksburg. $161,463.

Georgia—State Hy. Dept., East Point, plain concrete paving, etc. 42,618 sq.yd. Augusta-Fureys Ferry Rd., to W. F. Bowe, Jr., 541 Broad St., Augusta, $97,115; and concrete paving, etc. 64,804 sq.yd. Augusta-Harlem Rd., to Claussen-Lawrence Constr. Co., 1394 Gwinnett St., Augusta, $148,864, both in Richmond Co.

Ga., La Grange—J. H. Moss, city clk., concrete paving 3 streets, to A. D. Bradfield, Vernon Rd., $30,854.

Florida—State Road Dept., Tallahassee **(P. means Project)** to W. J. Bryson Paving Co., Green Cove Springs, constructing P. 55, Alachua Co. $129,345, P. 706-A, Putman Co. $75,867, P. 714, Union Co. $60,915; to L. M. Gray, Gainsville, P. 50-B $144,383, and to N. C. Cash, Kissimmee, P. 50-C, $161,843, both Putnam Co.; to C. L. Scott, Leesburg, P. 619, Alachua Co., $122,155; to Higgison Constr. Co., Monticello, P. 6, Madison Co., $43,156; to Harrison & Estes, Milton, P. 697, Escambria Co., $8,194; to Sellers Constr. Co., P. 715, Union Co. $18,866; and to Little & Lee, Orlando, P. 742, Alachua Co., $36,148. Grand total $800,872. Noted June 2.

Alabama—State Hy. Comn., Montgomery, grading and sand clay paving, etc. 11.51 mi. Troy Highway, 18 ft., to A. H. Singer, LaFayette, $88,566; also several small creosoted timber bridges on same road, to E. Pettus, Montgomery, $23,060.

Ala., Birmingham — City Comn. **(e. e. means engrs. estimate)**, cement walks on 5 blocks 32nd St., to Hening & Brogan, Amer. Trust Bldg., $4,735 e. e. $5,700; 2 in. asphalt on 5 in. concrete paving 4 blocks 25th St., Ensley, to J. Hamm, Lincoln Life Bldg., $13,024 e. e. $14,100; cement walks and 2 in. asphalt on 6 in. concrete paving 37th Ave., to W. H. Pattie, 1566 North 23rd St. $16,944 e. e. $17,300, and 2 blocks Division Ave., to Independent Paving Co., Amer. Trust Bldg. $12,514, e. e. $13,500; curbing, guttering and 2 in. asphalt on 6 in. concrete paving 5 blocks 5th Ave. N. and Georgia Rd., to H. N. Bowdry, Alabama Power Co. Bldg., $35,826 e. e. $39,100; cement walks on 3 blocks 5th Ave. S. and 53rd St., to Southern Roads Co., Pioneer Bldg., $575 e. e. $670; 2 in. asphalt on 5 in. concrete paving, etc., 1 block Princeton Ave., also walks and 2 in. asphalt on 5 in. concrete paving, etc., 1 block 16th St. S. W., to Dunn Constr. Co., Lincoln Life Bldg., $7,022 and $5,282 respectively, e. e. $8,200 and $6,220 respectively; cement walks on 5 blocks 5th Ave. and 4 blocks 5th Ave. S., to Camp & Pearson, Amer. Trust Bldg., $4,308 and $2,715 respectively, e. e. $5,100 and $3,500 respectively; grading, curbing, guttering, walks and 2 in. asphalt on 5 in. concrete paving 1 block 8th Ave., Ensley, and 2 in. asphalt on 6 in. concrete paving 1 block Court P, Ensley, to Morgan Hill Paving Co., Woodward Bldg., $6,943 and $4,595 respectively, e. e. $8,350 and $5,250 respectively. Grand total $114,483. Noted Apr. 14 and 28.

Miss., Hernando — Chauncery Clerk De Soto Co., grading, bridging, etc., 3.999 mi. Federal Aid Project 189-A, De Soto and Marshall Counties, to M. Harvey, Ripley, $52,718. Noted May 2.

Miss., Oxford—Grading, curbing, guttering, sewers, removing 14,000 sq.yd. gravel, and paving with 2½ in. asphalt on 5 in. concrete 30,000 sq.yd. various streets, to R. G. Lassister Constr. Co., Raleigh, $110,000. Noted June 2.

Miss., Oxford — Lafayette Co., grading and gravel surfacing, etc., 4 mi. road between Taylor and here, 18 ft., to [illegible] Boyd, Columbia, Miss., $43,000.

Miss., Picayune—Grading, curbing and concrete paving various streets, to [illegible] Constr. Co., Vicksburg. $40,000.

Kentucky—State Hy. Dept., Frankfort, grading, etc., 10.632 mi. Columbia-Burkesville Rd., State Project 51-A, Adair Co., to Mason Constr. Co., West Point, $104,322; 9.911 mi. Columbia-Burkesville Rd., State Project 51-A and C, to L. McCollum, Burkesville, $109,000; and 10.125 mi. Mayfield-Bardwell Rd., State Project 1-A, Graves Co., to Bradley & Wilson, Kevil, $61,969. Grand total $275,391. Noted May 26.

O., Cincinnati — Hamilton Co., tar surfacing 37 mi. various roads, 16 ft., to Eaton Oil Wks., Sterrett St. and Louisville & Nashville R.R. tracks, Covington, Ky., $36,744. Engrs. est. $46,483. Noted June 2.

O., Cincinnati—City Manager, curbing, walks and 14,150 sq.yd. vitr. brick paving and 16,000 sq.yd. sheet asphalt paving, etc. Reading Rd. and Florence Ave., to Murdock Constr. Co., 4701 Main Ave., Norwood, $181,571. Engrs. est. $201,395. Noted May 26.

O., Cleveland—Cuyahoga Co., curbing, guttering and vitr. brick paving, etc. 4,500 sq.yd. Dille Rd., to Gould & Maybach Co., 16311 Saranec Rd., $29,093.

O., Cleveland—Grading and paving, etc. with **(a)** 1½ in. National asphalt **(b)** brick **(c)** asphalt and **(d)** concrete **(1)** 10 streets in S. H. Kleinman Allotment **(2)** Brazil and Lakeport Rds. **(3)** Crestland Ave. **(4)** Carrydale Ave. **(5)** Greenway Ave. **(6)** West 3rd St. **(7)** West 58th St. **(8)** West 114th St. **(9)** West 116th St. **(10)** West 117th St., to Ohio Natl. Pavements Co., Natl. City Bldg., **(a1)** $329,524, to H. C. Herring, Wayside Rd. **(c2)** $13,846 **(c3)** $13,608; to Highway Constr. Co., Guarantee Title Bldg., **(d4)** $10,901 **(c5)** $16,731 **(d6)** $16,333 **(c7)** $17,410 **(a8)** $32,342 **(a9)** $37,180 **(c10)** $8,831. Grand total $496,706.

O., Columbus—Franklin Co., waterbound paving, etc., 2.531 mi. Norton Rd., Sect. 4 in Prairie Twp., to Kinnear & Barricklow Eng. & Constr. Co., 10 East Town St., $46,484; also waterbound macadam paving, etc., 2.656 mi. Agler Rd., Sect. 2, in Mifflin Twp., to D. W. Botkin & Son, 767 South 22nd St., $64,326, both 18 ft. Noted June 16.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading and asphalt paving 4,626 sq. yd. Parsons Ave., and 2,410 sq.yd. Seibert St., to Franklin Asphalt Paving Co., 200 High St., $20,633 and $9,400 respectively; grading, curbing, and asphalt paving, etc., 9,100 sq.yd. Grove St., and 17,480 sq.yd. Beulah Rd., to Cleveland Trinidad Paving Co., Grand Theatre, $21,263 and $60,598 respectively; grading, curbing and asphalt paving, etc., 680 sq.yd. Brynhild Rd., to Fritz-Pyle Constr. Co., 400 Cleveland Ave., $4,086; grading and asphalt paving, etc., 1,000 sq.yd. Olentangy St., to B. F. Patterson, 1214 Neil Ave., $5,616; also grading and paving alleys in various streets, to C. & G. Constr. Co., 36 West Gay St., $21,544. Grand total $143,140. Noted June 9.

O., Hamilton—W. R. Conklin, surv. Butler Co., grading and waterbound macadam paving, etc., Coles Rd., Lemon Twp., 18 ft., to C. J. Uible, Hamilton, $33,000. Noted Jan. 13.

O., Massillon — Improving Akron St., Maple and Lincoln Aves., to E. O. Vogt Paving Co., Massillon. $46,000.

O., Upper Arlington (Columbus P. O.)—N. H. Copeland, village clk., to A. W. Burns Constr. Co., 424 Woodland Ave., Columbus, grading, curbing and sheet asphalt paving, etc. 2,600 sq.yd. Devon Rd., $9,833. 3,060 sq.yd. North and South Mallway St. $10,793, 2,400 sq.yd. Coventry Rd. $10,209, and 2,800 sq.yd. Waltham Rd. $18,824; also to B. F. Patterson, 1214 Neil Ave., Columbus, grading, curbing, walks and sheet asphalt paving, etc. 275 sq.yd. Arlington Ave. $3,393. Grand total $53,052.

Ind., Crown Point—Lake Co., constructing Sects. A and C Ben Lynch Rd., to Ahlborn & Levine, Hammond, $176,160. Sect. B same road, to H. P. Downey, Hammond, $144,075; Sect. D same road, to J. J. Nedil, Whiting, $137,400. Grand total $457,635.

Mich., Paw Paw—Comrs. Van Buren Co., graveling 5.3 mi. Breedsville-Grand Junction Rd., 12 ft., to Ackerman Bros., Bangor, $44,811.

Ill., Alton—Concrete and brick paving 11,360 sq.yd. Washington Ave., and concrete paving 5,350 sq.yd. Pearl St., to J. B. Miller, Alton, $29,800 and $25,000 respectively. Noted Feb. 10 and May 5.

Wisconsin—State Hy. Comn., 213 South Barstow St., Eau Claire, grading and concrete paving 45,463 sq.yd. Cadott-Stanley

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Streets and Roads (Continued)

Wis., Chippewa Co., to Wilson Constr. Co., Appleton, $131,134.

Wis., Fond du Lac—Fond du Lac Co., G. Tedeven, comr., grading, etc., approximately 20,000 cu.yd. Fond du Lac-Rodgersville Rd., Job 2733, to H. B. Lynch, Milwaukee, $17,825, approximately 10,900 cu. yd. Kewaskum-Campbellsport-Marblehead Rd., Job 2737, to F. J. Roberts, Burlington, $8,690, and approximately 79,530 cu.yd. De Nuvue East Rd., Job 2739, to Lake Constr. Co., 105 Monona Ave., Madison, $42,334; also constructing Kraus Bridge, Job 2733-B, to Garvey-Weyenberg Constr. Co., 807 College St., Appleton, $9,157, and Gratton Bridge, Job 2733-A, to Chernus Constr. Co., 524 McKnight Bldg., Minneapolis, Minn., $9,892. Grand total $85,898.

Wis., Janesville — C. E. Moore, comr. Rock Co., grading 40,000 cu.yd. Milton Junction-Newville Rd., to P. W. Ryan & Sons, Janesville, $20,400; crushed gravelling 8,500 cu.yd. Six Corners-East Rd., to Kennedy Bros., Footville, $8,415, and 4,000 cu.yd. Harmony Rd., to J. McBride, Jr., Milton, $6,410. Grand total $35,225.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., rein.-con. sidewalks on Miller Ave., to J. C. Bluhm, 1299 Achilles Pl., $10,027; asphalt on concrete paving, etc., 38th St., and grading, paving, etc., alley between 25th and 26th Sts., to A. E. Retzlaff, 868 Island Ave., $1,905 and $1,299 respectively; asphaltic concrete paving St. Paul Ave. and Wells St., to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., $12,800 and $46,690 respectively. Grand total $72,721.

Wis., Milwaukee—Milwaukee Co., W. J. Cary, clk., to White Constr. Co., 1141 30th Ave., widening and paving Greenfield Ave. $37,420, Loomis Rd. $22,875, and Packard Ave. $31,404; and to A. E. Retzlaff, 868 Island Ave., grading, paving, etc., South Fond du Lac Rd., $77,616. Grand total $169,315.

Iowa—State Hy. Comn., Ames., grading 10.08 mi. Primary Road 14, Project 429, Floyd Co., to J. W. Ault, Ft. Dodge, $29,428. 9.13 mi. U. S. Highway 34, Project 479, Mills Co., to E. A. Wickham & Co., 19 Scott St., Council Bluffs, $38,684, 1.67 mi. U. S. Highway 32, Project 22, and 13.932 mi. U. S. Highway 32, Project 297, Pottawatomie Co., to G. W. Condon, 514 Federal Reserve Bldg., Omaha, Neb., $12,192 and $116,399 respectively, and 0.742 mi. U. S. Highway 30, Project 407, Story Co., to P. E. Shugart, Nevada, $4,747; graveling 12.194 mi. Primary Road 16, Project 30, Boone Co., to R. Cook, Nevada, $9,651, 16.482 mi. U. S. Highway 30, Project 487, Crawford Co., to C. Byers, Cedar Rapids, $12,037; and gravel resurfacing 5.16 mi. around State Hospital Rd., to H. R. Maudlin, Nevada, $2,917. Grand total $226,256. Noted June 2.

Ia., Charles City—Floyd Co., to J. W. Ault, Ft. Dodge, improving 10.081 mi. Primary Project 429, 106,633 cu.yd. earth excav., at $0.262 per cu.yd., and 200 cu.yd. rock excav. $1, 59,607 sta.yd. overhaul $0.02, 416 ft. 15- to 36-in. culvert pipe labor at $0.20 and $0.25.

Ia., Council Bluffs—Pottawatomie Co., grading 13,932 mi. road east and west of Oakland, U. S. Highway 32, to Condon & Cunningham, Omaha, Neb., $116,399.

Ia., Newton—Jasper Co., grading 271,844 cu.yd. Primary Grading Project 99-D and E, to Miller & Son, Kellogg, at $0.37 per cu.yd.

Ia., Sioux City—Concrete paving 3,000 sq.yd. Perryway and 40th Sts., to W. A. Klinger, 518 Warnock Bldg., at $2.14 per sq.yd.; 2,500 sq.yd. South Helen St., to Jensen & Krage, 205 Metropolitan Bldg., $2.06; 3 alleys, Collins, and West Horn Sts., to Harrington & Jorgenson, 3904-6th Ave., at $1.91 to $2.07 per sq.yd.; 870 sq.yd. South Patterson St., to Booth & Olson, 318 Grain Exch. Bldg., $2.07; and 3,230 sq.yd. 27th St., to P. C. Hansen, 1322 Court St., $2.14. Noted May 26.

Minn., Duluth—G. P. Phillips, city comr., concrete paving, etc., 4,986 sq.yd. Cottage Ave., to C. Miller, 616 East 11th St., $24,630; and 4,550 sq.yd. Tioga St., to J. W. Salo Constr. Co., 1215 East 11th St., $25,673.

Kan., Independence — Grading, curbing and concrete paving, etc., 10 blocks Southside Dr., Beech, Chaney, Chestnut, Fountain, 2nd, and 16th Sts., to A. G. Sherwood, Independence, $37,202. Noted Apr. 7.

Neb., Wahoo — Grading, curbing and vibrolithic rock on rein.-con. paving 16,000 sq.yd. streets in Paving Dists. 7 and 8, to Central Bridge & Constr. Co., Wahoo, $51,769. Noted June 9.

Mo., Joplin—Asphalt on concrete paving 7,650 sq.yd. Connor Ave., 1,050 sq.yd. 32nd St., and 6,850 sq.yd. Porter Ave., to H. Kost, 2002 Jackson Ave. at $1.69 per sq.yd. Noted June 16.

Mo., Kansas City—Petroleum asphalt paving Main St. between 12th and 18th Sts., to Midwest Paving Co., Valentine St. and Bway., $31,336.

Mo., La Plata—Grading, curbing and 6 in. rein.-con. paving, etc., 10,000 sq.yd. various streets, to H. Tidd, 102 West 21st St., Hutchinson, Kan., $36,783.

Mo. Springfield—Concrete paving 1,414 sq.yd. North Fremont Ave., to E. V. Koch, 2001 Bird Ave. at $1.94 per sq.yd., and 824 sq.yd. alley west of Campbell St., to H. Prosperi, 1220 North Campbell St. $1.99; 3,645 sq.yd. Blaine Ave. and grading, etc., for National Ave. Subway, to Stigall Constr. Co., Talmadge and Benton Sts. $1.98 per sq.yd., and $17,800 respectively.

Mo., Springfield — Concrete paving, etc., 13,639 sq.yd. Kimbrough Ave., to C. F. Brindle, 2400 Minneapolis Ave., Kansas City, Kan., at $1.90 per sq.yd.

Mo., University (Sta. St. Louis) — See "Sewers."

Texas—State Hy. Dept., Austin (e.e. means engrs. est.) rein.-con. paving and wire mesh guard fence on 13.56 mi. Highway 5, Federal Aid Project 438, Hall Co., 18 ft. to V. P. Strain, Salt Lake City, Utah, $360,411 e.e. $400,000; grading, bridging, etc. 5.409 mi. Highway 99, Tom Green Co., 26 ft., to McClung Constr. Co., F. & M. Bank Bldg., Ft. Worth, $46,934 e.e. $56,000; clearing, grubbing, grading, bridging, etc. 18.586 mi. Highway 1-A, Federal Aid Project 495, Shackleford, Jones and Callahan Counties, 26 ft., to F. Purvis, Waggoner Bldg., Ft. Worth $45,294 e.e. $35,000; also several rein.-con. bridges over 20 ft. span on latter project, to L. A. Stanford, 1217 St. L. St., Ft. Worth, $26,093. Grand total $478,732.

Tex., Galveston—Galveston Co., clearing, grubbing, grading, bridging, etc. 3.33 mi. Highway 6, 26 ft., to S. F. Vann, Trinity $22,439. Engrs. est. $28,000.

Okla., Drumright—Grading, curbing and 6 in. concrete paving 7,900 sq.yd. Paving Dist. 5, to Luke Constr. Co., Sapulpa, approximately $43,000. Noted June 9.

Okla., Maud — Grading, curbing and concrete paving 9,700 sq.yd. Main St., to Standard Paving Co., 1742 East 6th St., Tulsa, $36,130. Engrs. est. $38,500. Noted June 9.

Colo., Denver—Dept. Impvt. & Parks, curbing grading and surfacing Montclair Impvt. Dist. 4, to Western Constr. Corp., 3262 Blake St., $170,147; and South Denver Impvt. Dist. 27, to J. Collier, 67 South Logan St., $67,265.

Colo., Denver—Dept. Impvts. & Prks., to W. F. Pigg & Son, Commonwealth Bldg., concrete paving 12 blocks Alley Paving Dist. 162, $19,898, to M. E. Carlson, 4483 Newton St., Alley Paving Dist. 163 $21,380, Alley Paving Dist. 164 $15,928, and 12 blocks Alley Paving Dist. 161 $15,831. Grand total $73,037. Noted June 9.

Ore., Portland—Comrs. Multnomah Co., Court House, grading, etc., 3¼ mi. Canyon Rd., to Wren & Greenough, 554 East Morrison St., $431,302. Noted June 9.

Wash., Chehalis—Lewis Co., constructing 2.75 mi. Permanent Highway between Mayfield and Winston Creek, to Hendricks & Olson, Chehallis, $29,484.

Wash., Seattle—Bd. Pub. Wks., paving 12th Ave. N. W., et al, to R. G. Stevenson, 1237 Northlake St., $147,248; and East 69th St. et al, to Goetz & Breman, Seaboard Bldg., $69,235.

Wash., Tacoma—Bd. Awards, improving 10,200 lin.ft. Union Ave., 46,692 cu.yd. grading, 5,012 cu.yd. graveling, 264 cu.yd. concrete in retaining wall, etc., to McHugh & Johnson, $40,078, engrs. est. $49,300; and 6 in. concrete paving, etc., 15,399 sq.yd. South M, 19th and 21st Sts., to Paine, Galluccio Milone, Tacoma, $39,525, engrs. est. $48,511.

California—State Hy. Dept., Sacramento (e.e. means engrs. est.), grading and crushed gravel or stone surfacing approximately 6.7 mi. roadway between La Moine and Shotgun Creek, Shasta Co., to A. Haidlen Co., San Francisco, $281,762 e.e. $297,633; concrete paving, etc. approximately 1.5 mi. roadway between Colma and Cypress Lawn Cemetery, San Mateo Co., to Hanrahan Co., San Francisco, $179,890 e.e. $191,220; grading and concrete paving, etc. approximately 0.8 mi. roadway at Del Mar, San Diego Co., to Jahn & Bressi Constr. Co., Inc., 742 South Spring St., Los Angeles, $56,726 e.e. $61,513. Grand total $518,378. Noted May 26 and June 2.

Calif., Glendale—Grading and 3 in. Warrenite paving 322,700 sq.ft. Hillside Dr. and Sierra Pl., etc., to C. U. Heuser, 816 Allen Ave., $157,878.

Calif., Los Angeles—Los Angeles Co., 2½ in. asphaltic concrete paving 231,553 sq.ft. Huntington Dr., to Hall-Johnson Co., 905 Westminster Ave., Alhambra, $77,500; concrete and asphaltic concrete paving Pendleton Ave. between Pacoima and San Fernando Rds., to McCray Co., Subway Terminal Bldg., $32,155; grading and 6 in. concrete paving, etc., 220,352 sq.ft. Artesia Ave., to J. M. Schull Co., 122 Walnut St., Riverside, $80,889; improving Vermont Ave., to J. Mullarkey, 8435 Vermont St., $41,734; grading, curbing, walks and concrete paving Venice Blvd. between Eagley and Overland Aves., to G. R. Curtis Paving Co., 2440 East 26th St., $69,357. Grand total $301,635. Noted May 26.

Calif., Los Angeles — Bd. Pub. Wks., grading and 8 in. concrete paving 348,143 sq.ft., and 6 in. concrete paving 163,636 sq. ft. Laurel Canyon Rd., also grading, concrete and Willite asphaltic concrete paving, etc., Norfolk St., to Griffith Co., Railway Bldg., $332,201 and $27,016 respectively; grading and concrete paving Sycamore Ave. between De Long Ave. and Santa Monica Blvd., to Braun, Bryant & Austin, 6244 Washington Blvd., Culver City, $28,338; also grading, oiling and 8 in. concrete paving 568,193 sq.ft. Clybourn Ave., to G. W. Ellis, 1005 Kenneth Rd., Glendale, $209,388. Grand total $596,943.

Calif., San Diego—Common Council, 6 in. concrete paving 208,440 sq.ft. Georgia St., to B. Noble, Spreckles Bldg., $38,224.

Calif., Santa Ana—Orange Co., grading and concrete paving 2,589 cu.yd. Rd. Impvt. 49, to Griffith Co., Railway Bldg., Los Angeles, $37,500.

Calif., Santa Ana—Curbing, walks and concrete paving, etc. Greenleaf St. between 7th St. and Santa Clara Ave., to T. W. Oglesby, 423 Edgewood Rd., $25,781. Noted June 2.

Ont., Walkerville—Concrete paving various streets, to Merlo, Merlo & Ray, Ford City, $50,000.

Ont., Welland — Ross & Scott, engrs., Welland, asphalt penetration paving 4½ mi. Good Roads System, to Law Constr. Co., Confederation Life Bldg., Toronto, for Welland Co. $70,000. Noted May 26.

Buildings—Commercial

Proposed Work

Me., Farmington — HOSPITAL — Town and Commonwealth Fund, 1 East 57th St., New York City, N. Y., plan 2 story and basement hospital. $150,000 appropriated. Pelton & Rogers, 415 Lexington Ave., New York City, archts.

N. H., Woodsworth—BANK—Woodsville Natl. Bank, c/o Hutchins & French, archts., 11 Beacon St., Boston, Mass., having sketches made 1 story and basement, rein.-con., brick and steel, plain foundation. $150,000.

Mass., Attleboro—HOME and STORE—B. P. O. E., c/o O'Malley & Fitzsimmons, archts., Fanning Blk., Pawtucket, R. I., having revised plans prepared 2 story and basement, brick and stone, plain foundation, Winter St. $150,000-$175,000.

Mass., Boston—OFFICE—Owner, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., having plans prepared 4 story and basement, brick and stone, plain foundation, 380 Commonwealth Ave. $150,000.

Mass., Greenfield—HOTEL—J. T. Sellew, mgr. Weldon Hotel Corp. soon takes bids, altering and constructing 3 story and basement, brick and tile addition, plain foundation, High St. $150,000. Smith & Annabel, 145 State St., Springfield, archts.

Mass., Lowell—STORE and OFFICE—G. C. Fairburn, 10 Kearny St., having plans prepared by H. P. Graves, 40 Middlesex St., 4 story and basement, brick, plain foundation, Merrimac St. $150,000.

Mass., Lowell—THEATRE—R. E. Brown, Elm St., Andover, having plans prepared by C. L. Kemp, 8 Platt St., Lawrence, 2 story and basement, 60 x 100 ft., brick and steel, plain foundation, 49-59 East Merrimac St. $150,000.

Mass., Lynn — STORE and OFFICE — Essex Tire & Supply Co., 118 Central Ave., having preliminary plans prepared 4 story and basement, brick, plain foundation. $150,000 or more. G. A. Cornet, 10 Central Ave., archt.

Mass., Malden (br. Boston)—STORE and OFFICE—Malden Gas & Electric Co., c/o C. H. Tenney Co., engrs., 200 Devonshire St., Boston, altering and constructing 5 story and basement, brick addition, plain foundation, 161 Pleasant St., to Simpson Bros. Corp., 77 Summer St., Boston. Archts. est. $150,000. Noted Mar. 24.

Mass., Springfield — WAREHOUSE — Boston & Maine R.R., W. J. Backes, ch. engr., Boston, plans brick and steel fruit storage warehouse, here. $200,000.

Mass., Waltham (Ind. br. Boston)—STORE and APARTMENT—H. Weiner, 48 Rich St., having plans prepared by W. M. Haines, 32 Riverview Ave., 3 story and

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Buildings—Commercial (Continued)

basement, brick and stone, plain foundation, Main and Wellington Sts. $150,000.

Mass., Waltham (Ind. br. Boston)—THEATRE and STORE—Owner, c/o G. N. Jacobs, archt., having revised plans prepared 2 story and basement, brick and steel, plain foundation, Moody St. To exceed $150,000. Former bids rejected. Noted June 2.

Conn., Hartford—THEATRE—W. Heimovitch, 252 Asylum St., plans theatre, 1,000 seating capacity, Farmington Ave. $160,000. Engineer and architect not selected.

Conn., New Haven—APARTMENT—A. Perlroth, 341 State St., had plans prepared 3 story, brick and steel, Whitney Ave. $310,000. Private plans.

Conn., Stafford Springs—BANK—Stafford Savings Bank, c/o T. M. James Co., archt., 3 Park St., Boston Mass., having preliminary plans prepared 1 story and basement, rein.-con. brick, steel and stone, plain foundation. $150,000.

Conn., Torrington — HOSPITAL — Charlotte Hungerford Hospital, T. W. Bryant, 290 Midgeon Ave., plans hospital, $150,000 or more. Engineer and architect not selected.

N. Y., New York — ARENA — H. J. Fugazy, 1599 Bway., having sketches made by T. W. Lamb, 644 8th Ave., 225 x 550 ft., brick and steel, concrete foundation, 12th Ave. and 52nd St. $4,500,000.

N. J., Elizabeth—APARTMENT—W. L. Finne (owner and archt.), 91 Broad St., revising plans and soon takes bids 5 story, brick and steel, plain foundation, 120-26 DeHart Pl. $175,000. Noted June 30.

N. J., Elizabeth—Y.W.C.A., E. N. Renshaw, chn., 1131 East Jersey St., plans building. $150,000 funds being raised. Engineer and architect not selected.

N. J., Elizabeth—J. Jackson, archt., 137 East 45th St., New York City, soon lets contract general contract 3 story, brick and steel, plain foundation, Madison Ave. between East Jersey and Lafayette Sts., here, for Y. M. C. A. 1164 East Jersey St. $250,000. Poggi & Bragdon, 275 Morris Ave., associated archts.

N. J., Jersey City — OFFICE, WAREHOUSE and GARAGE—Pub. Serv. Electric & Gas Co., 84 Sip Ave., having plans prepared by Pub. Serv. Production Co., 80 Park Pl., Newark, 2 story, 120 x 190 ft., brick and steel, plain foundation, New York Ave. and Ferry St. $150,000.

N. J., Lyndhurst (br. Rutherford) — APARTMENT and RESTAURANT—Livan Bros., Inc., c/o A. P. Nucciarione, archt., 206 Central Ave., Orange, having revised plans prepared and soon takes new bids 4 story, 100 x 100 ft., brick and steel, plain foundation, 2nd and Livingston Sts. $160,000. Noted Apr. 28.

N. J., Newark—APARTMENT—Harrison R. Van Duyne, Inc., 790 Broad St., plans brick and steel, plain foundation, Weequahic Section. $150,000. Private plans.

N. J., Newark—BANK—Necarsulmerz & Lihlbach, archts., 420 Lexington Ave., New York City, soon takes bids., general contract 2 story, brick and steel, plain foundation, plain foundation, Hayes Circle, for Hayes Circle Natl. Bank & Trust Co., 29 Elizabeth Ave. $150,000. Noted June 2.

N. J., Newark—OFFICE—J. C. Eisele, Inc., 9 Clinton St., having sketches made by Meyers, Bigelow & Shanley, 24 Walnut St., 31 story, 60 x 200 ft., rein.-con., brick and steel, concrete pile foundation, 200-204 Market St. $2,000,000.

N. J., Paterson — COMMERCIAL and OFFICE—R. Grunauer Co., 29 Church St., having plans prepared by E. R. Coe, 136 Washington St., 2 story and basement, 55 x 150 ft., brick and steel, plain foundation, 23-25 Church St. $150,000.

N. J., Plainfield—APARTMENT—Oxford Realty Co., 240 West Front St., having plans prepared 5 story, brick and steel, plain foundation, 303 West 8th St. $150,000. Private plans.

N. J., Plainfield—APARTMENT—Oxford Realty Co., 240 West Front St., having plans prepared by R. P. Chatfield, 401 Harrison Ave., Westfield, 4 story, brick and steel, plain foundation, West 7th and Liberty Sts. $200,000.

N. J., Ridgewood—THEATRE, STORE and OFFICE—North Oak Impvt. Co., North Oak St., having sketches made by P. Vivarttas, 110-48th St., Union City, 3 story, brick and steel, plain foundation, Franklin Ave. and North Oak St. $500,000.

N. J., Scotch Plains—HOSPITAL—Bd. Freeholders Union Co., Court House, Elizabeth, having sketches made by Oakley & Son, 1259 Clinton Pl., Elizabeth, 3 story, brick and steel, plain foundation, County Hospital Grounds, here. $200,000.

N. J., Teaneck (mail West Englewood) — APARTMENT — A. Koeller, 48 Grand Ave., Ridgefield, plans 5 story, brick and steel, plain foundation, Teaneck Rd. and Poplar St., here. $250,000. Engineer and architect not selected.

Pa., Chester—DEPARTMENT STORE—A. C. Coshland, archt., Crozer Bldg., soon takes bids, 2 story and basement, 65 x 122 ft., and 27 x 29 ft., brick and steel, plain foundation, 3rd and Market Sts., for S. and S. Propper, c/o architect. $150,000.

Pa., Pittsburgh — OFFICE — Medical Building Co., c/o L. Wechsler, 4819 Douglas St., having plans prepared by H. G. Hodgkins, Jones Law Bldg., 6 story and basement, brick and steel office building. $200,000.

Pa., Reading — THEATRE — Franklin Amusement Co., c/o W. H. Lee, archt., Schaff Bldg., Phila., having plans prepared 1 story, balcony and basement, approximately 85 x 220 ft. theatre, here. $400,000.

Md., Baltimore—BANK and OFFICE—Baltimore Trust Co., Light and Baltimore Sts., having plans prepared by Smith & May, Calvert Bldg., and Taylor & Fisher, Union Trust Bldg., probably 20 story, 112 x 195 ft., rein.-con., brick and steel, plain foundation, Light and Baltimore Sts. $2,000,000.

O., Columbus—CHAPEL—J. E. Harper, dir. Dept. Welfare, Oak and 9th Sts., having sketches drawn by H. B. Briggs, Ohio-Hartman Bldg., 175x200 ft., 45 ft. high, brick and concrete, West Spring St. $200,000.

Ill., Hinsdale—COMMUNITY—Memorial Union Building Com., P. R. Clarke, chn., takes bids about Aug. 1, 1 and 2 story, 43 x 113 ft., and 28 x 29 ft., rein.-con., brick, steel and tile, Garfield and Maple Sts. $165,000. E. H. Clark, Inc., 8 East Huron St., Chicago, Ill., archts. Noted June 23.

Ill., Mt. Carmel—HOTEL and GARAGE—A. R. Hanley soon takes bids 5 story and basement, 100 x 105 ft., rein.-con., 6th and Market Sts. $150,000. Berger & Kelly, Lincoln Bldg., Champaign, archts. Noted June 23.

Ill., Oak Park—COMMUNITY HOUSE—Roberts & Roberts, archts., 82 West Washington St., preparing plans and soon takes bids 3 story, brick, Oak Park Ave. and Ontario St., here, for First Baptist Church, Oak Park. $300,000.

Ill., Watseka—HOTEL—C. D. Kopp, et al. take bids about Oct. 1, 4 story and basement, 49 x 150 ft., concrete, brick and steel hotel. $150,000. L. Steube, Adams Bldg., Danville, archt. Noted June 23.

Mo., Columbia—THEATRE, STORE and OFFICE—Company forming, c/o H. H. Banks, pres., Columbia Savings Bank, having preliminary plans prepared 2 story, rein.-con., brick, stone and terra cotta theatre, 1,500 seating capacity, here. $200,000.

Mo., Kansas City—RECREATION—Pla-Mor Corp., c/o P. M. Fogel, pres., 619 Reliance Bldg., having plans prepared by C. A. Smith, 800 Finance Bldg., recreation project, incl. motion picture theatre, 1,500 seating capacity, dance hall, 5,000 seating capacity, roman swimming pool, etc., rein.-con. and steel, Main and Spring Sts. To exceed $150,000.

Mo., St. Louis — HOTEL — Syndicate forming, c/o Jacob Slupsky, Flora Realty & Investment Co., 5526 Pershing Ave., having preliminary plans prepared 16 story and basement, 130 x 150 ft., rein.-con., brick, stone, terra cotta and steel, Washington Ave. and 6th St. $1,500,000.

Tex., Brownwood—HOTEL—Hotel Co., c/o T. Posey, having plans prepared by A. F. Korn, 816 Thomas Bldg., Dallas, 5 story, brick, steel and rein.-con. hotel, here. $300,000.

Tex., Childress — HOTEL — Arch Nave soon takes bids, 7 story and basement, 125 room, rein.-con., brick and stone hotel. $350,000. W. C. Hedrick, 1005 1st Natl. Bank Bldg., archt.

Tex., Dallas—OFFICE—E. R. Carpenter and associates, Medical Arts Bldg., plan 15 story, Olive St. near Live Oak St. Engineer and architect not selected.

Tex., Houston—BANK and OFFICE—San Jacinto Trust Co., c/o G. Howard, Humble Bldg., having plans prepared by J. W. Northrop, Jr., 615 Kirby Bldg., 4 story, (ultimately 18 story) 60 x 127 ft., Main and Lamar Sts. $200,000.

Tex., Houston—SANITARIUM—E. Marvin Bailey & L. M. Farquaharson, doctors, having plans prepared 4 story sanitarium and swimming pool. $200,000. Private plans.

Tex., Liberty—COURTHOUSE—Liberty Co., c/o C. R. Wilson, judge, having plans prepared by C. G. Curtis, Liberty, 3 story and basement, rein.-con., brick and steel, plain foundation, $250,000.

Tex., Temple—HOTEL—A. C. Scott & associates plan 100 room hotel. $200,000. Engineer and architect not announced.

Tex., Temple—HOTEL—F. Doering & associates, plans 6 or 7 story and part basement. fireproof hotel. $150,000 incl. equipment. Private plans.

Tex., Port Lavaca—HOTEL—Bayside Beach Inc., Kirby Bldg., Dallas, purchased site and having plans prepared by Ferrand & Fitch, 701 Slaughter Bldg., 3 story 250 ft. front, incl. swimming pool, roof garden, Bayside Beach. $700,000.

Tex., San Angelo—CITY HALL—City, c/o E. V. Spence, mgr., soon takes bids city hall. $250,000.

Tex., San Antonio — OFFICE — F. L. Thompson, c/o Grayburg Oil Co., Maverick Bldg., purchased site, etc. and plans office building, Travis and North Alamo Sts. $500,000 or more. Engineer and architect selected soon.

Tex., Wichita Falls — HOSPITAL — Wichita Falls State Hospital, H. H. Harrington, chn., having plans prepared by Voelcker & Dixon, Wichita Falls, hospital $150,000.

Okla., Holdenville—HOSPITAL—M. A. Floyd, Holdenville, having preliminary plans prepared 3 story and basement, 6? x 140 ft., rein.-con. and brick, plain foundation, Choctow St. $175,000. Engineer and architect not selected.

Ore., Portland—THEATRE—Washington Theatre Enterprises, C. Fischer, mgr., White-Henry-Stuart Bldg., Seattle, Wash., having plans prepared by S. D. Ford, 630 Lyon Bldg., Seattle, Wash., 2 story, approximately 200 x 300 ft., rein.-con. and tile, here. $1,000,000.

Calif., Alameda—APARTMENT—Interests represented by F. R. Neville, 1514 Webster St., having plans prepared 7 story and basement, 85 x 135 ft., steel and concrete, East Santa Clara St. $180,000. Engineer and architects names withheld.

Calif., Berkeley — HOTEL — Heath & Wendt, 2116 Ralston Way, having plans prepared 4 story and basement, brick and steel, Haste St. and Telegraph Ave. $150,000. Private plans.

Calif., Glendale—APARTMENT—W. W Smith, archt., 1242 Kensington Ave., preparing plans 5 story and basement, brick apartment. $150,000. Owners name withheld.

Calif., Glendale—HOTEL and APARTMENT—C. H. Kent, c/o R. A. Hill, archt., Chester Williams Bldg., had plans prepared 4 story and basement, brick, Orange St. $150,000.

Calif., Livermore—HOTEL—W. R. McKinnon, G. F. Tubbs, et al, c/o G. Rushforth, archt., 354 Pine St., San Francisco, having preliminary plans prepared 4 story and basement, 100 room, rein.-con., 1st and L Sts. $500,000.

Calif., Los Angeles—APARTMENT—J. Hawley, Kipling Hotel, plans approximately 12 story and basement apartment, 7th and Berando Sts. $500,000.

Calif., Los Angeles—APARTMENT—G. Parker, c/o L. L. Jones, archt., Douglas Bldg., having plans prepared 11 story and basement, 82 x 110 ft., concrete and steel. Ivar St. $450,000.

Calif., Napa — HOTEL — Weeks Investment Co. et al, c/o W. H. Weeks, archt., 369 Pine St., San Francisco having plans prepared, approximately 5 story and basement, fireproof, 1st St. $300,000.

Calif., Oakland — WAREHOUSE and CANNING PLANT—California Co-Operative Producers, c/o Union Constr. Co., 14th St., plans concrete and steel, west end 14th st. $3,000,000 or more.

Calif., Redondo Beach — THEATRE — West Coast Theatres, Inc., Washington St. and Vermont Ave., Los Angeles, plans probably 2 story theatre, 2,000 seating capacity, here. To exceed $150,000. Engineer and architect not selected.

Calif., Sacramento — PRODUCE TERMINAL — San Francisco Produce & Provision Terminals, Inc., W. H. Kearney, pres., 315 Montgomery St., San Francisco, plans main building approximately 1375 ft. long, 550 ft. wide, etc., steel and concrete, area bounded by Marina, Laguna, Beach and Buchanan Sts. $4,000,000-$6,000,000.

Calif., San Jose — WAREHOUSE and OFFICE—Blake, Moffit & Towne, 41 1st St., San Francisco, plans fireproof, San Pedro St., here. $150,000. J. Gallowy, 1st Natl. Bank Bldg., San Francisco, engr.

Ont., Cornwall—HOTEL—Town having plans prepared by Ross & Macdonald, 1 Belmont St., Montreal, Que., 5 story and basement, 60 x 90 ft., brick and steel, concrete foundation. $250,000.

Que., Montreal—APARTMENT—Marotta Constr. Co., 1134 St. Viateur St., Outremont, soon takes bids rein.-con., Roslyn Ave., here. $160,000. W. S. Wright, 26 Victoria Sq., archt.

Que., Montreal—APARTMENT HOUSE—I. H. Maher, 390 Cote des Neiges Rd., soon takes bids 6 story, brick, steel and stone.

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Buildings—Commercial (Continued)

Cote des Neiges Rd. $200,000. Private plans.

Bids Desired

Me., **Augusta** — HOSPITAL — Augusta State Hospital, F. Tyson, supt. taking bids 3 story and basement, brick and stone addition, plain foundation. $150,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt. Noted Dec. 9.

Mass., Cambridge (Boston P. O.)—GARAGE—July 8, by Natl. Biscuit Co., 85 9th Ave., New York City, garage addition, Albany and Pacific Sts., here. J. R. Torrance, 85 9th Ave., New York City, archt.

Mass., Everett (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Quincy (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Quincy (br. Boston) — HOTEL APARTMENT—See "Contracts Awarded."

Mass., Springfield—APARTMENT—R. B. Marsh, 55 Allyn St., Hartford, Conn., taking bids 4 story and basement, brick and stone, plain foundation, Federal St. $150,000 or more. J. R. Foster, 105 Bridge St., archt.

Mass., Springfield—LODGE—See "Contracts Awarded."

Conn., Bridgeport—HOSPITAL—July 20, by E. B. Caldwell, Jr., archt., 886 Main St., 3 story and basement, 43 x 190 ft., rein.-con., brick and steel, plain foundation, Grand St. and Mill Hill Ave., for City, Hospital Dept. $160,000.

Conn., Middletown — Y. M. C. A., E. S. Hubbell, chn., taking bids 2 story and basement, 115 x 145 ft., rein.-con., brick and steel, Union and Crescent Sts. $300,-600. D. Orr, 956 Chapel St., New Haven, archt.

N. Y., New York—CLUB—July 26, by York & Sawyer, archts., 100 East 42nd St., 20 story and basement, brick and steel, 7th Ave. from 58th to 59th Sts., for New York Athletic Club, 58 West 59th St. $4,-800,000. Noted June 23.

N. Y., Willard—EMPLOYEES HOMES—July 27, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing female employees' home, and married employees home, at Willard State Hospital, here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. July 7. Noted June 23.

N. Y., New York—OFFICE and STORE—See "Contracts Awarded."

N. J., Bloomfield — APARTMENT — See "Contracts Awarded."

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Nutley (br. Newark)—APARTMENT—See "Contracts Awarded."

Pa., Phila.—ADMINISTRATION—July 14, by Dept. City Transit, W. E. Ehler, dir., altering and constructing superstructure 2 story, 40 x 109 ft., Broad and Grange Sts., Broad St. Subway Contr. 170. Private plans.

Pa., Phila.—COMMUNITY—July 14, by E. L. Rothschild, archt., Bankers Trust Bldg., 2 story and basement, 47 x 115 ft., rein.-con., brick and steel, plain foundation, 508 Moore St., for Assn. Talmud Torahs, c/o L. E. Levinthal, Bankers Trust Bldg. Noted June 23.

O., Columbus — Griswold Memorial Y. W. C. A., taking bids 9 story and basement, 90 x 184 ft., brick, steel and concrete building. Miller & Reeves, 203 East Broad St., archts.

O., Dover—HOME—July 15, by Director Elks Home Co., 4 story and basement, stone, East High St. $150,000.

Mich., Detroit — OFFICE — July 15, by Smith Hinchman & Grylls, archts., 800 Marquette Bldg., 45 story and basement, rein.-con., brick and steel, Griswold and Fort St., for Murphy Estate, Penobscot Bldg. Noted Apr. 21.

Ill., Chicago — APARTMENT — Koeingsburg & Weisfeld, archts., 105 North Clark St., taking bids 13 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, 1246 Pratt Blvd., for Twelve Hundred Forty-Six Building Corp., c/o architects. $800,000.

Ill., Chicago — APARTMENT HOTEL — Lowenberg & Lowenberg, associated archts., 111 West Monroe St., taking bids 17 story and basement, 74 x 104 ft., rein.-con. and brick, 101-109 East Delaware Pl., for Delaware Building Corp., c/o architects. $1,500,000. E. A. Grunswell, 435 North Michigan Ave., archt. and one of owners. Noted Mar. 3.

Ill., Chicago — OFFICE, WAREHOUSE, etc.—July 14, by Holabird & Roche, archts., 104 South Michigan Ave., 6 story, 256 x 272 ft., rein.-con., brick and stone office and warehouse, also 1 story, 136 x 168 ft., brick and steel shed, 23rd and Rockwell Sts., for Illinois Bell Telephone Co., 212 West Washington St.

Ill., Moline—HOSPITAL—July 10, by Bd. Hospital Bd., W. E. Taylor, pres., 4 story and basement, 43 x 80 ft., rein.-con., brick and stone addition, 7th St., for City.

S. D., Rapid City—HOTEL—Oldefest & Williams, archts., 605 North Michigan Ave., Chicago, Ill taking bids (by invitation only) 10 story and basement 75 x 140 ft., rein.-con., brick and stone, here, for Hotel Alexander Johnson, c/o architect. $750,000.

Mo., Kansas City—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—CHAPEL and DORMITORY—Austin & Ashley, archts., Chamber of Commerce Bldg., taking bids 5 story and basement, 46 x 146 ft., rein.-con., Ocean View Ave., for St. Vincents Hospital, 1151 Sunset Blvd. $175,000.

Calif., Los Angeles—OFFICE—Parkinson & Parkinson, archts., Title Insurance Bldg., taking bids 13 story and basement, 120 x 150 ft., brick, steel and concrete, Westlake Ave. and Wilshire Blvd., for interests headed by W. Morrison, Pacific Mutual Bldg. $500,000 or more.

Bids Received

O., Cleveland—AUDITORIUM—City, W. R. Hopkins, city mgr., June 22, 5 story, basement and 2 wings, 125 x 208 x 60 x 208 ft., steel, stone and concrete, East 6th St., from Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., $1,749,000 Noted June 16.

Contracts Awarded

Mass., Attleboro — APARTMENT — G. Watson, Norwood, c/o R. M. Stowell, archt., 184 Boylston St., Boston, brick and stone, plain foundation, Day St., to F. J. Tetrault & Co., Walpole. Archts. est. $150,000.

Mass., Attleboro — THEATRE — Union Theatre, Inc., c/o R. M. Stowell, archt., 184 Boylston St., Boston, 1 story and basement, 90 x 115 ft., brick and steel, plain foundation, to F. J. Tetrault & Co., Walpole. Archts. est. $150,000. Noted May 26.

Mass., Boston—STORE and OFFICE—E. S. Welch, 73 Tremont St., Boston, altering and constructing 5 story and basement, brick addition, plain foundation, to E. A. Abbott Co., 3 Park St. Archts. est. $150,000.

Mass., Boston—STORE and OFFICE—H. F. Yinslow, 30 State St., 4 story and basement, brick and stone, plain foundation, Berkley and Newbury Sts., to W. M. Evatt Co., 200 Devonshire St. Archts. est. $150,000.

Mass., Dorchester (br. Boston)—APARTMENT—W. E. McManus, 4 story and basement, brick and stone, plain foundation, Columbia Rd. and Geneva Ave., to B. E. Elfman, 301 Allston St., Brighton. Archts. est. $225,000. Noted June 30.

Mass., Dorchester (Boston P. O.)—FIRE STATION—City, Fire Dept., 60 Bristol St., Boston, 2 story, brick and stone, plain foundation, Meetinghouse Hill, here, to Phandor Constr. Co., 18 Tremont St., Boston. Archts. est. $150,000. Noted June 23.

Mass., Everett (br. Boston)—APARTMENT—Nason Constr. Co., Orchard St., Swampscott, will build 3 story and basement, brick and stone, plain foundation, Hancock St. $150,000. Work will be done by separate contracts. Private plans. Noted June 30.

Mass., Fall River — THEATRE — Fall River Consolidated Enterprise, Inc., S. L. Lowe, 1 State St., Boston, and 166 South Main St., brick and steel, plain foundation to D. Platt, 99 Bynner St., Boston. Archts. est. $150,000.

Mass., Malden (Boston P. O.)—COMMUNITY—City, 2 story and basement, brick, plain foundation, Oak Grove Sq., to A. Frasca, Saugus. Archts. est. $150,-000. Noted May 26.

Mass., Pittsfield — COURTHOUSE — Comrs. Berkshire Co., 2 story and basement, 60 x 80 ft., brick, steel and granite addition, to J. R. Hampson & Co., 184 North St., $127,700. Noted June 9.

Mass., Quincy (br. Boston)—APARTMENT—R. Guida, c/o R. M. Stowell, archt., 184 Boylston St., Boston, will build 3 story and basement, brick, plain foundation, Fenno St., Wollaston Dist. To exceed $150,000. Work will be done by separate contracts. Noted June 30.

Mass., Quincy (br. Boston)—APARTMENT—Nason Constr. Co., Orchard St., Swampscott, will build 3 story and basement, brick, plain foundation, Orchard St., here. To exceed $150,000. Work will be done by separate contracts. Private plans. Noted June 30.

Mass., Quincy (br. Boston)—HOTEL APARTMENT—Prudential Building Serv. Corp., 37 Washington St., will build 5 story and basement, 45 x 130 ft., brick and stone, plain foundation, Upland Rd. $150,-000 or more. Work will be done by separate contracts. Private plans.

Mass., Roxbury (Boston P. O.)—MATERNITY—Massachusetts Womens Hospital, Parker Hill Ave., 2 story and basement, 60 x 160 ft., brick and limestone, plain foundation, Parker Hill Ave., to James Driscoll & Sons, 294 Washington St., Boston, Archts. est. $150,000. Noted June 23.

Mass., Roxbury (br. Boston)—STORE and OFFICE—Boston Consolidated Gas Co., 250 Stuart St., Boston, 3 story and basement, brick and stone, plain foundation, 17-19 Roxbury St., to G. B. Macomber, 38 Chauncy St., Boston. Archts. est. $150,000.

Mass., Springfield—APARTMENT—T. W. McCarthy, 26 Sachem St., Chicopee, 4 story and basement, 65 x 75 ft., brick, plain foundation, 25-29 High St., to E. J. Pinney Inc., 200 Dwight St., Archts. est. $150,000.

Mass., Springfield — APARTMENT — O. McMahon, 182 State St., 4 story and basement, 69 x 98 ft., 9,853 sq.ft. floor space, brick and steel, 14-16 Mattoon St., to Schnare Constr. Corp., 427 Winter St. Archts. est. $150,000. Noted June 30.

Mass., Springfield—APARTMENT—Maple High, Inc., 60 x 170 ft., brick and steel, Maple St., to E. J. Pinney, Inc., 220 Dwight St. Archts. est. $150,000.

Mass., Springfield — LODGE—Order of Odd Fellows, Pynchon St., will build 4 story and basement, 55 x 138½ ft., brick, steel and limestone, plain foundation, 627 State St., by day labor. $300,000. H. L. Sprague, 1570 Main St., archt.

R. I., Woonsocket—STORE and APARTMENT—Damerjian Bros., 125 Arnold St., 3 story and basement, brick and stone, plain foundation, Arnold and High Sts., to R. Druin, 372 Elm St. Archts. est. $150,000.

Conn., Hartford—BANK—Hartford Natl. B. & T. Co., 835 Main St., c/o Hartford-Aetna, remodeling 6 story, Main and Pearl Sts., to Stone & Webster, 24 Federal St., Boston, Mass. Archts. est. $500,000.

Conn., Hartford—HOSPITAL—Hartford Orphan Asylum, Albany Ave., 2 story and basement, 75 x 140 ft., brick hospital and cottages, etc., to Porteus Walker Co., 113 Forest St., $120,000.

N. Y., Buffalo—STORE and OFFICE—A. Victor Co., Main St., 10 story and basement, 121 x 175 ft., brick and steel, plain foundation, to J. W. Cowper, Main St. Archts. est. $600,000. Noted Apr. 14.

N. Y., New York—BANK and OFFICE—Chase Natl. Bank, 57 Bway., 38 story above ground and 6 below, 94 x 150 x 159 ft., brick, steel and stone, caisson foundation, Nassau St. from Pine to Cedar Sts., to C. T. Willis, Inc., 286 5th Ave. Archts. est. $7,000,000. Noted Feb. 10.

N. Y., New York—OFFICE—New Edison Co., 130 East 15th St., 6 story and basement, 25 x 90 ft., brick and steel, plain foundation, 236 West 72nd St., to Sexton Gerard Co., Inc., 19 West 44th St. Archts. est. $250,000. Noted Apr. 21.

N. Y., New York—OFFICE and STORE—Marcus & Goldstein, 277 Bway., will build 2 story, brick and steel, plain foundation, 207th St. and Bway. $150,000. Work will be done by separate contracts. Springsteen & Goldhammer, 32 Union Sq., archts.

N. J., Bloomfield — APARTMENT — Mamoe Realty Co., 60 Park Pl., Newark, will build 4 story, brick and steel, plain foundation, 200-2 Belleville Ave. $150,000. Work will be done by separate contracts. M. J. Nadel, 32 Hill St., Newark, archt. Noted June 30.

N. J. Camden—GARAGE—Pub. Serv. Electric & Gas Co., 437 High St., 1 story, brick, steel and rein.-con., plain foundation, 17th and Stevens Sts., to Pub. Serv. Production Co. 80 Park Pl., Newark. Archts. est. $150,000.

N. J., Elizabeth — DEPARTMENT STORE—M. Levy & Sons, 80 Broad St., general contract 1 story addition and 1 story extension, brick and steel, plain foundation, 8084 Broad St., to C. Flocken, 681 Newark Ave. Archts. est. $150,000. Noted June 30.

N. J., Irvington (br. Newark)—APARTMENT—Lark Holding Co & A. Metzel, 60 Park Pl., Newark, will build 4 story, brick and steel, plain foundation, 40-46 37th St., here. $150,000. Work will be done by separate contracts. Noted June 23.

N. J., Irvington (br. Newark)—APARTMENT—Arcade Holding Co., 870 Broad St., Newark, will build 4 story and basement, 80 x 120 ft., brick and steel, plain foundation, Camfield Pl. and Chancellor Ave. Work will be done by day labor. Kasoff & Flatt, 164 Market St., Newark, archts.

N. J., Newark—APARTMENT—Sbarglio & Gessuelli, 483 North 6th St., will build 4 story, 70 x 90 ft., brick and steel, plain foundation, 1st and Roseville Aves. $150,-000. Work will be done by separate contracts. J. Centanni, 142 Market St., archt.

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Buildings—Commercial (Continued)

N. J., Newark—APARTMENT—J. M. Adelman & Son, and J. A. Pilar, 1377 Boulevard East, West New York, will build 5 story, brick and steel, plain foundation, Elizabeth and Pomona Aves. $200,000. Work will be done by separate contracts. N. Myers, 24 Walnut St., archt. Noted June 23.

N. J., Nutley (br. Newark)—APARTMENT—A. Eisenberg, 87 Schuyler Ave., Newark, will build 4 story, brick and steel, plain foundation, Chestnut St. west of Franklin Terrace, here. $150,000. Work will be done by separate contracts. N. Siegler, 164 Market St., Newark, archt. G and G Realty Co., 28 Branford Pl., Newark, former owner above project. Noted June 9.

N. J Plainfield—HOTEL—Park Hotel, West 7th St., general contract, etc. 5 story, brick and steel, plain foundation, West 7th St., to Wigton Abbott Corp., 552 West 23rd St., New York City. Archts. est. $160,000.

Steam heating, stone, brick, terra cotta, metal lath, flooring, pipe and waterproofing.

N. J., Union City—OFFICE—Hudson News, 708 Bergenline Ave., general contract 2 story, 100 x 125 ft., brick and steel, plain foundation, Bergenline Ave. and 36th St., to De Riso Bros., 50 East 42nd St., New York City. Archts. est. $150,000.

Pa., Phila.—APARTMENT—Brown & Sons, 145 Fairmount Ave., 4 story and basement, 46 x 77 ft., and 32 x 139 ft., brick and steel, plain foundation, 47th and Warrington Sts., to A. Brown, 145 Fairmount Ave.

Pa., Pittsburgh—APARTMENT—Morewood Gardens Co., c/o Marks & Kann, archts., Home Trust Bldg., general contract 7 story and basement, approximately 245 x 300 ft., brick, steel and stone, Morewood Ave., to W. T. Grange Co., Keenan Bldg. Archts. est. $1,400,000. This corrects report in June 23 issue.

Pa., Quakertown—HOSPITAL—Quakertown Hospital Assn., H. G. Kittleman, pres., 3 story and basement, 40 x 140 ft., rein.-con. and brick, plain foundation, 11th St. and Park Ave., to F. J. Schuler, Norristown. Noted June 19.

Ky., Lakeland—ASYLUM—State of Kentucky Bd. of Charities & Corrections, Lakeland, (1st unit) 50 x 99 ft. of 2 story and basement, 446 x 560 ft., rein.-con. and brick asylum, plain foundation, to H. Frank & Co., Anchorage, $44,750. Archts. total est. $1,000,000.

O., Cincinnati—THEATRE—J. M. Jackson, Mercantile Library Bldg., 3 story and basement, brick and rein.-con., plain foundation, Eastern Ave., to L. J. Mayfield, 1107 Bates St., $150,000. Noted June 9.

O., Cincinnati—WAREHOUSE—Wholesale Grocrey Co., 9th St. and Bway., 3 story and basement, brick and rein.-con., plain foundation, Pearl St., to Roos-Meyer-Hecht, Stanton Ave., $250,000.

O., Cleveland—APARTMENT—M. Margolin, 1489 East 106th St., 3 story and basement, 66 x 104 ft., brick, East 132nd St., to Winikur Bros., 9303 Pierpont Ave. Archts. est. $150,000. Noted June 23.

O., Cleveland—AUDITORIUM—City, W. R. Hopkins, city mgr., 5 story, basement and 2 wings, 125 x 208 ft. and 60 x 208 ft., steel, stone and concrete, East 6th St. and St. Clair Ave., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., $1,749,000. Noted June 16.

O., Columbus—STORE—V. Loewer Furniture Co., 136 East Main St., general contract, 4 story and basement, 62½ x 187½ ft., brick and concrete, 60 East Main St., to R. H. Evans & Co., 8 East Long St., approximately $190,000. Noted June 16.

O., East Cleveland (br. Cleveland)—STORE and APARTMENT—A. Palevsky, 1450 East 105th St., Cleveland, 3 story and basement, 50 x 120 ft., brick, 14781 Euclid Ave., to J. Friedman, 366 East 134th St., Cleveland. Archts. est. $150,000. Noted Apr. 21.

Ind., Indianapolis—APARTMENT—F. R. Buck, 4422 Central Ave., general contract 6 story and basement, rein.-con. and brick, corner 15th and Pennsylvania Sts., to Foster Eng. & Serv. Co., 726 Knights of Pythias Bldg. Archts. est. $250,000.

Wis., Sheboygan—THEATRE—Universal Chain Theatrical Enterprises, 730 5th Ave., New York City, N. Y. 1 story, 90 x 170 ft., brick, here, to United Studios, Inc., 28 West Lake St., Chicago, Ill. Noted June 2.

Ia., Des Moines—NEWSPAPER—Meredith Publishing Co., 3 story, basement and sub. basement, 60 x 157 ft., rein.-con., brick and stone addition, to C. Weitz Sons, 713 Mulberry St., $169,800. Noted May 26.

Mo., Kansas City—APARTMENT—Kelley & Son, 6301 Walnut St., will build 5 story and basement, 97 x 104 ft., brick and rein.-con., 16 West 36th St., by day labor.

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$200,000. H. F. Almon, 1004 Orear Leslie Bldg., archt.

Mo., St. Charles—HOTEL—St. Charles Hotel Co., H. Willbrand, pres., general contract 4 story and basement, 70 x 115 ft., rein.-con., brick and terra cotta, 2nd and Washington Sts., to J. J. Wuellner, Oak and Frost Sts., Alton, Ill. Archts. est. approximately $150,000. Noted June 16.

Mo., St. Louis—THEATRE and STORE—St. Louis Amusement Co., 706 North Grand Blvd., 2 story and basement, 147 x 200 ft., rein.-con., brick, stone, steel and terra cotta, Easton and Hamilton Sts., to Boaz-Kiel Constr. Co., Ambassador Theatre Bldg. Archts. est. $750,000.

Wash., Seattle—STORE—A. Willatsen, archt., Lumber Exch. Bldg., 1 and 2 story, concrete, brick and steel addition, 2nd and Pike Sts., to C. C. Cawsey, Title & Trust Bldg., for McDougal & Southwick Co. $150,000. Noted May 26.

Calif., Los Angeles—APARTMENT—M. J. Pellissier, 697 South Serrano St., 6 story and basement, rein.-con., West 9th St., to Baruch Corp., Lincoln Bldg., $155,500.

Calif., Oakland—MEMORIAL—Alameda Co., constructing memorial building at Adams Point, to Schuler & Macdonald, 1723 Webster St., Oakland, $248,130.

Calif., San Bernardino—DEPARTMENT STORE—Harris Co., 3 story and basement, 127 x 206 ft., rein.-con., 3rd and E Sts., to G. Herz & Co., San Bernardino, $256,800.

Calif., San Francisco—THEATRE—Vision Realty Co., De Young Bldg., rein.-con. Noe and 24th Sts., to Macdonald & Kahn, Financial Center Bldg., approximately $165,000.

Buildings—Industrial

Proposed Work

Mass., Marblehead—REPAIR SHOP, STORE and SERVICE STATION—M. H. Lukens, 69 Washington St., plans 1 story, rein.-con. and stone, plain foundation, Washington St. $40,000. Engineer and architect not selected.

Mass., Waltham (Ind. br. Boston)—COLD STORAGE WAREHOUSE—J. P. Morrisey, 19 Massassoit St., plans rein.-con. and brick, Massassoit St. $40,000 or more. Engineer and architect not selected.

Conn., Hartford—SERVICE GARAGE—White Co., B. M. Holden, 750 Main St., having revised plans prepared and soon takes bids 1 story, 150 x 150 ft., brick and steel, Maple Ave. $100,000. Former bids rejected. Private plans.

N. Y., Hornell—SILK MILL—Huguet Silk Co., 188 Thatcher St., having plans prepared by Pierce & Bickford, 118 Lake St., Elmira, 1 story, 80 x 110 ft. addition.

N. C., Greensboro—FREIGHT STATION—Southern Ry. Co., B. Herman, ch. engr., 1300 Penn. Ave., Wash., D. C., having plans prepared by Fellheimer & Wagner, 155 East 42nd St., New York City, rein.-con., brick and steel addition, plain foundation, incl. store house, tracks, driveways, ramps, loading platforms, here.

O., Akron—FACTORY—General Tire & Rubber Co., 1708 East Market St., had plans prepared by Osborn Eng. Co., archts. and engrs., 7016 Euclid Ave., Cleveland, three 4 story and basement, brick and steel buildings, here.

O., Fostoria—FACTORY—Ohio Farmers Co-Operative Milk Assn., J. J. Prindle, pres., 3068 West 106th St., Cleveland, had plans prepared by Wright & Hohl, 4614 Prospect Ave., Cleveland, 1 story, brick and steel, here. $60,000.

Ill., Chicago—GENERATING STATION—Sanitary Dist. of Chicago, 910 South Michigan Ave., making plans steam driven electrical generating station, near here. $6,000,000. Private plans.

Tex., Edinburg—ICE PLANT and STORAGE—Pacific Fruit Exp. Co., c/o H. T. Whyte, 605 Commercial Bank Bldg., Houston, soon lets contract 100 ton capacity ice plant and storage house. $250,000. Private plans.

Tex., Houston—PUBLISHING PLANT—Houston Press having plans prepared by Howell & Thomas, 3866 Carnegie St., Cleveland, O., 5 story and basement, 150 x 200 ft., Chartres and St. Emanuel Sts. $300,000. Swank & Fisher, 403 Euclid Ave., Cleveland, O., engrs.

Tex., San Antonio—CASINGHEAD GAS PLANT—O. J. Berend, 2403 South Troost Ave., Tulsa, Okla., had plans prepared compression type, 7,000 g.p.d. casinghead gas plant, etc., here. $500,000. Private plans.

Tex., Sierra Blanca—POWER PLANT—El Paso Electric Co., c/o H. C. Webb, El Paso, having plans prepared power plant, here. $75,000. Private plans.

Calif., Oakland—CANNING PLANT—See "Buildings Commercial."

Ont., Newbury—PLANT—Quality Canners Ltd., Windsor, plans branch plant here. $60,000.

Bids Desired

Me., Kittery—REPAIR GARAGE and SERVICE STATION—A. F. Cook taking bids 1 story, rein.-con., plain foundation, $40,000. Dow, Harlow & Kimball, 184 Boylston St., Boston, Mass., archts.

Mass., Quincy (Boston P. O.)—SHOP—See "Contracts Awarded."

Mass., Roxbury (Boston P. O.)—SHOP and WAREHOUSE—Depoli Mosaic Tile Co., 935 Massachusetts Ave., Boston, taking bids 1 story, 50 x 145 ft., rein.-con. and brick, plain foundation, Magazine St., here. $40,000 or more. D. M. Foster, 975 Massachusetts Ave., Boston, archt.

R. I., Providence—REPAIR and SERVICE GARAGE, etc.—July 8, by White Co., A. Hadlow, mgr., East 79th St. and St. Clair Ave., Cleveland, O., 2 story, 100 x 200 ft., rein.-con. and brick, plain foundation, Branch Ave. and Dryden Lane, here. $100,000. Private plans. Noted Apr. 28.

Conn., Greenwich—PRINTING PLANT—July 11, by W. Higginson, engr., 101 Park Ave., New York City, rein.-con. addition, concrete foundation, here, for Conde Nast Publications, Inc., 19 West 44th St., New York City. $75,000. Noted June 23.

N. Y., Rome—LAUNDRY—July 27, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, laundry extensions at State School for Mental Defectives, here. S. W. Jones, Capitol, Albany, archt.; adv. E. N.-R. July 7. Noted May 17.

Okla., Ponca City—POWER PLANT—July 14, by C. E. Norton, city clk., power plant building and equipment, incl. salt house, oil storage, cooling tower, etc., for City. $80,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 12.

Calif., Long Beach—ASSEMBLY PLANT—July 15, by B. R. Brown, engr., Highland Park, Detroit, Mich., 1 story, 390 x 928 ft. main building, 2 story, 40 x 140 ft. office building, 2 story, 80 x 98 ft. warehouse, 62 x 114 ft. oil house, etc., all rein.-con., here, for Ford Motor Co., Highland Park, Detroit, Mich. $5,000,000. A. Kahn, Highland Park, Detroit, archt.

Calif., Manteca—SHOP—Clerk Manteca Union High School Dist., taking bids 1 story, 50 x 80 ft. shop, incl. farm mechanics dept., etc. Davis-Pearce Co., Builders Bldg., Stockton, archt.

Contracts Awarded

Mass., Boston—REPAIR and SERVICE GARAGE—S. S. Dean, 50 Congress St., 1 story, 100 x 150 ft., rein.-con. and steel, plain foundation, 290 North Beacon St., to Stefano Grande, 66 Upham St., Malden. Engrs. est. $50,000.

Mass., Boston—REPAIR and SERVICE GARAGE—M. M. Dwyer, 77 Linden St., 1 story, rein.-con. and brick, plain foundation, to Frankini Bros., 30 Mystic Ave., Medford Archts. est. $40,000.

Mass., Cambridge (br. Boston)—FACTORY—Daggett Chocolate Co., 408 Main St., 6 story, 100 x 165 ft., brick, plain foundation, 38-44 Ames St., to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. $152,000.

Mass., Quincy (Boston P. O.)—SHOP—R. A. Means, 115 Arborway Dr., East Braintree, will build 2 story, rein.-con. and brick, plain foundation, 41 Atlantic Ave. $40,000. Work will be done by separate contracts. Private plans.

Mass., Taunton—BAKESHOP—Dept. Mental Diseases, State House, Boston, 2 story, brick, plain foundation, to W. H. Barker, 4 Cohannet St. Archts. est. $40,000. Noted June 9.

Mass., Westfield—REPAIR and SERVICE GARAGE and WAREHOUSE—MacCoullier Bros., 44 Broad St., 1 and 3 story and basement, rein.-con. and brick, plain foundation, Broad St., to P. J. Mahoney, 46 Orange St. Archts. est. $50,000.

Mass., Worcester—BOILER HOUSE, etc.—Boston & Albany R.R., G. A. Kirley, ch. engr., South Station, Boston, 1 story, 50 x 50 ft., and 20 x 30 ft., brick, boiler house and compression room, plain foundation to J. F. Fitzgerald Constr. Co. 38 Chauncy St. Boston. Noted June 9.

Conn., Hartford—FACTORY—Arrow Electric Co., 103 Hawthorne St., 1 story, 62 x 500 ft., brick and steel, Capital St., to A. F. Peaslee, 15 Lewis St. Archts. est. $125,000. Noted Aug. 19.

Conn., Milford—PLANT—Aircraft Corp. of America, J. H. Stelling, pres., 1 story, 150 x 350 ft., rein.-con. brick and steel.

Buildings—Industrial (Continued)

Laurel Beach Rd., to W. R. Muirhead & Son, 541 Maple St., Bridgeport, $120,500. Noted June 23.

N. J., Belleville (br. Newark) — FACTORY—Wallace & Tieran Co., 1 Mill Blvd., Newark, general contract 4 story, brick and steel addition, plain foundation, Mills St., here, to J. Sutherland, 133 South 15th St., Newark. Archts. est. $150,000.

Va., Richmond—CAKE and CRACKER FACTORY—Southern Biscuit Works, 501 East Byrd St., 7 story, brick, Meadow and Marshall Sts., to Wise Granite Constr. Co., Amer. Natl. Bank Bldg. Archts. est. $500,000 incl. equipment.

La., Hodge — PAPER MILL — Advance Bag & Paper Co., 301 Cong. St., Boston, Mass., will build rein.-con. paper and bag plant, here, by day labor $1,000,000. G. A. Ring, c/o owner, ch. engr.

S. & R.

Ky., Louisville—FACTORY—Bade-Cummings Mfg. Co., 3401 Jewell St., 1 story and basement, 50 x 350 ft. T-shaped, rein.-con. and brick, plain foundation, 31st and Jewel Sts., to A. Markham & Co., 423 South Floyd St., approximately $65,000.

O., Cleveland — FACTORY — Ohio Boxboard Co., C. W. Hackett, secy., 1390 East 30th St., 2 story, 60 x 120 ft., brick and steel addition, to L. Dautel & Son Co., 5710 Hough Ave. Archts. est. $75,000. Noted June 23.

O., Columbus — FACTORY — Columbus Auto Parts Co., 15 East Russell St., 2 story and basement, brick and concrete, 4th and Russell Sts., to E. H. Latham & Co., 447 Neilson St., approximately $40,000.

Ind., Lafayette—POULTRY—See "Buildings—Educational, Religious."

Ill., Chicago—FACTORY—Hills-McCanna Co., 2025 Elston Ave., general contract two 1 story, 60 x 200 ft., brick buildings, Western Ave. and Nelson St., to J. Hammond Co., 2234 Flournoy St. Noted Apr. 14.

Ill., Silvis—SHOP—Chicago, Rock Island & Pacific Ry., La Salle St. Sta. Chicago, C. A. Morse, ch. engr., altering and constructing 1 story brick and concrete additions to locomotive shops, here, to T. S. Leake Constr. Co., 608 South Dearborn St., Chicago. Engrs. est. $50,000.

Tex., Corpus Christi—WAREHOUSE—See "Unclassified."

Wash., Spokane — FREIGHT HOUSE, etc.—Northern Pacific R.R. Co., Ry. Exch. Bldg., St. Paul, Minn., general contract rein.-con. and brick freight house, sheds and fruit house, incl. facilities for freight handling, here, to E. J. Dunnigan, 1012 Blard Exch. Bldg., St. Paul, Minn. Archts. est. $300,000.

Calif., Delano—FACTORY—Delano Grape Products Co., (1st unit) 1 story, 36 x 130 ft. building, 51 x 51 ft. building, and 25 x 25 ft. tower, all brick and steel, 6 mi. northeast of here, to P. Magnuson, Delano, $80,000.

Buildings—Educational, Religious

Proposed Work

N. H., Manchester—DORMITORY—New Hampshire Industrial School having plans prepared by C. R. Whitcher, 814 Elm St., 3 story and basement, brick, plain foundation, North River Rd. $150,000.

Mass., Malden (Boston P. O.)—HIGH SCHOOL—City, A. J. Plummer, chn. com., having sketches made by Desmond & Lord, 1 Beacon St., Boston, and C. F. Springall, associated archt., 84 Sprague St., Junior High School, brick and stone, plain foundation, Pleasant St. $200,000.

Mass., Marblehead—CHURCH—Star of the Sea Roman Catholic Church, D. C. Riordon, 60 Gregory St., purchased site and plans brick and stone, plain foundation, Atlantic Ave. $160,000. Engineer and architect not selected.

Mass., New Bedford — SCHOOL — City, H. S. Winslow, chn. City Property Com., plans 3 story and basement, brick, plain foundation, Ashley Blvd. and Acushnet Ave. $200,000. Engineer and architect not selected.

Mass., Worcester — NURSES HOME — Hahnemann Hospital, 281 Lincoln St., plans brick and steel, Lincoln St. $150,000. Engineer and architect not selected.

Conn., Hartford — GYMNASIUM — Trustees Trinity College, R. B. Ogilby, pres., having preliminary plans prepared by Trowbridge & Livingston, 527-5th Ave., New York City, gymnasium, incl. large swimming pool.

Conn., Hartford—SCHOOL—City, H. U. Tuttle, chn., rejected bids June 14, 3 story, brick and steel, Vine St. $300,000. I. A. Allen, Jr., Inc., 100 Farmington Ave., archt. Noted June 9.

Conn., Hartford — TEMPLE — Congregation Beth Israel, c/o C. R. Greco, archt., 11 Beacon St., Boston, Mass., takes bids after July 6, 1 and 2 story and basement, brick and stone, plain foundation, Farmington Ave. To exceed $150,000. Noted Apr. 28.

Conn., New Haven—SCHOOL—Berkeley Divinity School, 403 Main St., Middletown, having preliminary sketches made by Delano & Aldrich, 126 East 38th St., New York City, 4 or 5 units, in contemplation removal of Berkeley Divinity School to New Haven, York Sq. $150,000 or more.

N. Y., Jamaica—LIBRARY—Bd. Trustees Queensboro Pub. Library had plans prepared by R. F. Schirmer & J. W. Schmidt, 1440 Bway., New York City, 3 story and basement, 101 x 156 ft., brick and steel, concrete foundation, Shelton Ave. and Parsons Blvd. $500,000.

N. J., Long Branch—CHURCH—R. Reilly, archt., 10 East 41st St., New York City, soon lets general contract 1 story and tower, 120 x 150 ft., brick and steel, plain foundation, here, for Church of Our Lady Star of the Sea. $150,000. Noted June 23.

N. J., Lyndhurst (br. Rutherford)—SCHOOL—Bd. Educ., Town Hall, plans brick and steel, plain foundation. $400,000. Engineer and architect not selected.

N. J., Millburn—SCHOOLS—Bd. Educ., Town Hall, having preliminary plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, two 2 story, brick and steel additions to Wyoming School, $300,000, and Short Hills School, $150,000. Noted June 23.

N. J., Rahway—SCHOOL—Bd. Educ., City Hall, having sketches made by F. F. Simons, 108 Emerson St., Carteret, 2 story, brick and steel, plain foundation. $150,000. Noted Dec. 23.

N. J., Summit — HIGH SCHOOL — Bd. Educ., 272 Morris Ave., having plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, 3 story, brick and steel addition, plain foundation. $200,000. Noted May 26.

N. J., Teaneck (mail West Englewood)—SCHOOL—Bd. Educ., Town Hall, plans 2 story, brick and steel, plain foundation, Vanderlinda Ave. and Grange Rd. $150,000. Engineer and architect not selected.

N. J., West New York (Ind. br. Weehawken) — HIGH SCHOOL — Bd. Educ., Municipal Bldg., having revised plans prepared by W. Mayer, Jr., 711 Bergenline Ave., West New York, and takes bids about July 6, completing 3rd story brick and steel high school, Park Ave. between 11th and 12th Sts. Noted June 9.

Pa., Meadville—CHURCH—First Methodist Episcopal Congregation having plans prepared by Nichlas & Roderick, 12227 Prospect Ave., Cleveland, O., 1 and 3 story and basement, irregular shaped, stone, Chestnut and Main Sts. $150,000.

Tex., Houston—COLLEGE—Bd. Educ., c/o H. L. Mills, 1600 Washington Ave., plans Junior College. $200,000. H. D. Payne, 1600 Washington Ave. archt.

Tex., Wichita Falls—CHURCH—Highland Heights Christian Congregation had plans prepared by Pate & Thompson, 1005 City Natl. Bank, church, Ave. H. $250,000.

Calif., South Pasadena—HIGH SCHOOL—South Pasadena Bd. Educ. having preliminary plans prepared by N. F. Marsh & Co., 1011 Bway. Central Bldg., Los Angeles. Noted Apr. 21.

Bids Desired

Mass., Boston—WOMEN'S HOME—Corp. of Womens Home Missionary Society of New England, c/o C. P. Hoyt archt., 8 Beacon St., taking bids altering and constructing 4 story and basement, brick and stone addition, plain foundation, 36-40 Hull St. $150,000.

Mass., Waltham (Ind. br. Boston)—CHURCH—See "Contracts Awarded."

Conn., Waterbury—SCHOOL—July 8, by St. Margarets School, 3 story and basement, 70 x 180 ft., brick, steel and stone, Bradleyville Rd. $300,000. R. H. Dana, Jr., 350 Madison Ave., New York City, archt. Noted May 26.

N. Y., Albany—COLLEGE—July 28, by Commissioner Educ., Dept. Educ., State Educ. Bldg., Albany, constructing Buildings A, B, and C, Conneting Corridors D, E and F, and tunnel, at New York State Coll. for Teachers. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. July 7 Noted June 23.

N. Y., Corona—SCHOOL—July 19, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 14, Otis Ave. and Van Dorne St., Corona Heights, here, for Bd. Educ., 500 Park Ave., New York City.

N. J., Fords—CHURCH and SCHOOL—G. W. Brooks, archt., 158 Madison Ave., Perth Amboy, taking bids general contract 3 story, 60 x 100 ft., brick, steel and stone, plain foundation, for Our Lady of Peace Roman Catholic Church. $150,000. June 30.

Pa., New Castle—HIGH SCHOOL—July 19, by Bd. Educ. and A. L. Thayer, archt., Greer Bldg., Junior High School, 2 and 3 story and basement, brick, concrete, steel and stone. $650,000. Noted Dec. 16.

Tex., Wichita Falls — CHURCH — Highland Heights Christian Congregation, c/o P. H. Packard, pastor, receiving competitive bids 3 story and basement, 95 x 150 ft., rein.-con. and brick, plain foundation. $250,000. Pate & Thompson, 1005 City Natl. Bank Bldg., archts.

Calif., Los Angeles—CHURCH—Austin & Ashley, archts., Chamber of Commerce Bldg., taking bids rein.-con. 90 x 144 ft., with 80 ft. dome, West and Washington Blvd., for 1st United Presbyterian Church. $250,000.

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Buildings—Educational, Religious (Cont.)

Calif., Pomona—ACADEMY—P. K. Schabarum, archt., Equitable Bldg., Los Angeles, taking bids 2 story and basement, 150 x 275 ft., brick, incl. chapel quarters, dormitories, etc., here, for Academy of Holy Name. Noted Apr. 1.

Contracts Awarded

Vt., Burlington—CHURCH—Christ Science Church, 1 story and basement church, to W. M. Adams, Burlington. Archts. est. $150,000 or more.

Mass., Belmont—CHURCH—All Saints Church, c/o H. Chisholm & H. T. Underwood, archts., 46 Cornhill, Boston, altering and constructing 1 story and basement, granite addition, plain foundation, Common St., to S. Alcock, 50 Tyler Rd. Archts. est. $150,000. Noted June 16.

Mass., Fall River — SCHOOL — City, School Com., altering and constructing 2 story and basement, brick addition to Ferry Lane School, plain foundation, to Greany & Sherry, 827 Davol St. Archts. est. $150,000.

Mass., Manchester — HIGH SCHOOL — Town, R. C. Allen, chn. school com., 2 story and basement, brick and stone, plain foundation, to C. L. Crafts, 14 Pleasant St. Archts. est. $150,000 or more. Noted June 2.

Mass., New Bedford — CHURCH — First Baptist Church, Williams St., 2 story and basement, brick and stone, plain foundation, Williams St., to H. C. Bailey, South Dartmouth.

Mass., Newton (Ind. br. Boston)—LIBRARY — Plummer Memorial Library, c/o Smith & Walker, archts., 80 Boylston St., Boston, 1 story and basement, irregular shaped, brick and stone, plain foundation, Ash St., to Somers & Drisco, Park Sq. Bldg., Boston. Archts. est. $150,000.

Mass., Salem — CHURCH — First Unitarian Church, c/o Little & Browne, archt., 114 Federal St., Boston, altering and constructing 2 story and basement, brick and stone, plain foundation, here, to J. W. Ferris Co., Inc., Peabody, Archts. est. $150,000. Noted Nov. 11.

Mass., Somerset—SCHOOL—Town, F. H. Gardner, chn. school com., 2 story and basement, brick and stone, plain foundation, Wilbur and Wood Sts., to J. M. Darling, Jr. Co., 878 Main St., Fall River. Archts. est. $150,000. Noted May 26.

Mass., Springfield — HIGH SCHOOL — City, Z. E. Scott, supt. schools, Junior High School, 2 story and basement, brick and steel, to E. J. Pinney Co., Inc., 220 Dwight St., $217,976. Noted Mar. 24.

Mass., Waltham (Ind. br. Boston)—CHURCH—St. Charles Roman Catholic Church, P. J. Walsh, pastor, Taylor St., will build 1 story and basement, brick and stone, plain foundation. $150,000. Work will be done by separate contracts. J. E. Monaghan, 79 Milk St., Boston, archt.

Mass., Wellesley — HIGH SCHOOL — Town, L. J. Towne, chn. com., altering and constructing 2 story and basement, brick and stone addition to Alice Phillips School, plain foundation, to P. G. Dearmond & Son, 54 Wilkin St., Westboro. Archts. est. $150,000 or more.

Mass., Westford — SCHOOL — Town, School Bd., 2 story and basement, brick and stone, plain foundation, Forge Village Dist., to R. Clough, Chelmsford, Archts. est. $150,000.

Mass., Weymouth (Ind. br. Boston)—HIGH SCHOOL—Town, P. T. Pearson, supt. schools, 1 and 2 story and basement, brick addition to Pratt School, Pleasant St., and High School addition, Middle St., both plain foundations, to Clark & Smith, 13 Temple St., Quincy, Archts. est. $150,000 or more. Noted June 2.

R. I., Newport—GYMNASIUM—De La Salle Academy, A. Basilain, in charge, brick and steel, Bellevue Ave., to M. A. McCormick, Bellevue Ave. Archts. est. $175,000. Noted Apr. 28.

Conn., Simsbury — HIGH SCHOOL — Town, School Com., 2 story and basement, brick and steel addition, Main St., to Lawrence & Coe Constr. Co., 43 Farmington Ave., Hartford. Archts. est. $150,000. Noted June 16.

N. Y., Arcade—SCHOOL—Bd. Educ., 2 story, concrete and brick, plain foundation, to Lowman Constr. Co., 312 Railroad Ave., Elmira. Archts. est. $165,000.

N. Y., Hollis (mail Jamaica)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 134, 109th Ave. from 203rd to 204th Sts., here, to Pstay & Fuhrman, Inc., 153 West 72nd St., New York City, $412,500. Noted June 9.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P. S. 86, Reservoir Ave. and West 195th St., Bronx Boro, here, to Gibbs Rice Co., Inc., 606 1st Ave., $716,000; plumbing, to Endres & Hampton, Inc., Grand Central Terminal, $39,339; and heating, to H. Starkman & Bros., 333 East 81st St., $74,480. Grand total $829,819. Noted June 9.

N. J., Montclair—SCHOOL—Bd. Educ., 22 Valley Rd., general contract altering and constructing 2 story and basement, 36 x 190 ft., brick and steel addition, plain foundation, Maple Ave., to D. J. Cronin, 713 South Orange Ave., Newark, $115,811; heating, to G. Stewart, 270 South 20th St., Newark, $28,795.

Pa., Phila. — CHURCH — Most Precious Blood Parish, c/o J. P. Green, pastor, 28th and Diamond Sts., 2 story and basement, 81 x 129 ft., brick, stone and steel, plain foundation, to Murphy Quigley Co., 1518 Sansome St. Archts. est. $200,000.

Ind., Lafayette — TESTING LABORATORY, Etc.—Purdue University, constructing material testing laboratory, to C. L. Sanders, Portland, $92,581, poultry building, to R. Sollitt & Son, 303 Sherland Bldg., South Bend, $17,525; tunnel system and metallurgy laboratory, to A. E. Kemmer, Lafayette, $50,300 and $13,000 respectively. Grand total $173,406.

Calif., Moraga—COLLEGE—St. Marys College, Oakland, fourteen 1, 2 and 3 story, steel and rein.-con. buildings, to J. P. Brennan, 2233 California St., Berkeley, $1,750,000.

Que., Montreal — COLLEGE — Jesuit Fathers, 5 story, 64 x 320 ft., 160 x 172 ft., and 52 x 160 ft. stone and brick buildings, Cote St. Catherine Rd., to A. Deschamps, 117 Mayfair St., $2,000,000.

Federal Government Work

Proposed Work

Va., Alexandria—Repairing Pier—Spec. 5368—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairing and rebuilding pier at Naval Torpedo Assembly Plant, here.

D. C., Wash.—Power Plant Equipment—Spec. 5334—Bureau Yards & Docks, Navy Dept., plans equipment for power plant, incl. watersoftening plant, hot water storage heater, piping system, etc., at Naval Hospital, here.

Bids Desired

D. C., Wash.—Test Borings—July 8, by Treas. Dept., at office Supervising Archt., Wash., D. C., test borings on site of new building for Dept. of Commerce. Noted Feb. 17.

N. C., Ashville — Remodeling — July 25, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office and Court House, here.

Ill., Chicago—Engine, etc.—July 26, by Treas. Dept., at office Supervising Archt., Wash., D. C., engine generator, etc. at U. S. Post Office and Court House, here.

Minn., St. Paul—Remodeling—July 18, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office and Custom House, here.

Mo., St. Louis—Remodeling—July 27, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Marine Hospital, here.

Contracts Awarded

N. Y., Olcott—Pier—U. S. Engineer Office, Buffalo, constructing concrete superstructure on piers in harbor, here, to J. W. Ucci, $10,324. Noted May 26.

N. J., Lakehurst—Refrigerating Equipment—Spec. 5376—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment and cold storage plant, at Naval Air Station, here, to Mack Machine Co., 1708 North Front St., Phila., Pa., $1,878 (90 days). Noted June 2.

Pa., Erie — Building, etc. — U. S. Coast Guard, constructing 2 story, frame building, launchway and bulkhead, etc., to Sessinghaus & Ostergaard, $37,377.

D. C., Anacostia (sta. Wash.)—Hangar Doors—Spec. 5361—Bureau Yards & Docks, Navy Dept., Wash., D. C., steel doors and new end walls for hangars at Naval Air Station, here, to Donnell-Zane Co., Woolworth Bldg., New York City, $16,905 (135 days). Noted May 26.

D. C., Anacostia (sta. Wash.)—Heating System — Spec. 5419 — Bureau Yards & Docks, Navy Dept., Wash., D. C., heating system, at hangar, here, to C. T. Crockett, 3614 Connecticut Ave., Wash., $3,444 (60 days).

S. C., Parris Island—Heating System—Spec. 5374—Bureau Yards & Docks, Navy Dept., Wash., D. C., steam heating system, at U. S. Marine Base, here, to Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., $31,450 (120 days). Noted June 9.

S. C., Parris Island—Reservoir—Spec. 5402 and 5410—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete reservoir at Marine Barracks, here, to Donnell-Zane Co., Woolworth Bldg., New York City, $15,516 (135 days); and ash handling system to United Conveyor Corp., 800 Old Colony Bldg., Chicago, Ill., $4,758 (120 days). Noted May 26.

S. C., Parris Island—Turbo-Alternator—Spec. 535—Bureau Yards & Docks, Navy Dept., Wash., D. C., turbo-alternator at U. S. Marine Barracks, here, to M. H. Pagenhardt Co., 2130 Locust St., Phila., Pa. $23,841 (150 days). Noted May 26.

Fla., Marianna—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $95,548 (365 days). Noted May 12.

Fla., Miami Beach (br. Miami)—Jetty—U. S. Engineer Office, Jacksonville, repairing north jetty and revetment, here, to De Rocher & Watkins Towing Co., Inc., Miami, $30,480. Noted May 26.

La., Carville—Boiler—Treas. Dept., at office Supervising Archt., Wash., D. C., new boiler, here, to Fort Dodge Boiler Wks., Des Moines, Ia., $5,493. Noted June 9.

Va., Norfolk — Dredging — Spec. 5346 — Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Operating Base and Navy Yard, here, to Norfolk Dredging Co., Box 494, $109,500. Noted June 16.

Va., Norfolk—Road—Spec. 5400—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete road at Naval Hospital, here, to Stewart-Silvester, P. O. Box 535, Portsmouth, $11,355 (120 days). Noted May 26.

O., Dayton — Dynamometer Building — Constructing Quartermaster, Wright Field, constructing dynamometer laboratory building, on Wright Field, here, to C. H. Shook, Inc., Dayton, $175,000. Noted June 16.

Mich., Frankfort — Breakwater — U. S. Engineer Office, Milwaukee, Wis., constructing 1,188 lin.ft. south breakwater and 1,400 lin.ft. south shore connections, in harbor, here, to Greiling Eng. Co., Green Bay, Wis., $339,356. Noted May 12.

Mo., Kansas City — Reroofing — Treas. Dept. at office Supervising Archt., Wash., D. C., reroofing work at U. S. Post Office, here, to L. Van Dorp & Son, 509 Jackson St., Topeka, $10,812 (60 days). Noted June 9.

Mo., Westalton—Revetment—U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 6,000 lin.ft. standard revetment in Missouri River at Amazon Bend, about 6 mi. southeast of here, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, at $22.05 per lin.ft. Noted June 9.

Washington — Canal — Bureau Reclamation, Ellensburg, constructing Kittitas Div. Main Canal, etc., Yakima Project, Schedule 1, to Barnard-Curtis Co., 504 Globe Bldg., Minneapolis, Minn., $170,483; Schedule 2, to Dearborn Constr. Co., San Francisco, Calif., $481,004; Schedule 13 to Rumsey & Jordan, Seattle, $105,302; and Schedule 12, to E. A. Webster & Co., Hutton Bldg., Spokane, $309,569. Grand total $1,066,358. Noted Apr. 28.

Wash., Seattle—Dredging—U. S. Engineer Office, dredging in Olympia harbor, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $26,040.

Oregon—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., New Post Office Bldg., Portland, grading, etc. 5.1 mi. John day-Pilot Rock Project, Grant Co., to J. A. Terteling & Son, Moscow, Idaho, $24,070. Engrs. est. $28,000.

Oregon—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., New Post Office Bldg., Portland, June 24, grading, etc. M. Rood-Wapanitia Sect. Wasco Natl. Highway, Wasco Co., to Baker & Schorsschuisdt, 333 Oak St., Portland, $20,994. Engrs. est. $26,400.

California—Bridge—Bureau Pub. Rds., San Francisco, Trinity River Bridge, 200 ft. steel truss on concrete piers, to R. B. McKenzie, Gerber, $64,386.

Calif., San Diego—Heating System, etc.—Spec. 5382 and 5385 — Bureau Yards & Docks, Navy Dept., Wash., D. C., steam heating system, etc. at Naval Operating Base, here, to Herman Lawson Co., 465 Tehama St., San Francisco, $46,647 (150 days); and alterations to boiler house, to M. H. Golden, 3612 Texas St., $3,750 (90 days). Noted June 9.

Cuba, Guantanamo — Barracks — Spec. 5383—Bureau Yards & Docks, Navy Dept., Wash., D. C., barracks at Naval Station, here, to Donnell-Zane Co., Woolworth Bldg., New York City, $13,828 (180 days). Noted May 26.

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Unclassified

Proposed Work

Playground—Boston, Mass.—City, Dept. Pub. Wks., plans new public playground in West End Dist. $250,000 voted for same. J. H. Sullivan, comr.

Bulkhead — New Bedford, Mass. — City, Eng. Dept., having plans prepared bulkhead, timber, piling, rip rap, Clarks Cove. $25,000. G. H. Nye, city engr.

Coal Shed, etc. — Taunton, Mass. — Staples Coal Co., 55 Taunton Green, plans coal storage shed, silos and trestle, Taunton Green. $25,000. Engineer not selected.

Swimming Pool, etc.—Kansas City, Mo.—See "Buildings—Commercial."

Underpass — Waycross, Ga. — City and Atlantic Coast Line R.R., J. E. Willoughby, ch. engr., Wilmington, N. C., plan underpass at Lee St. W. B. Stovall, city mgr.

Aviation Field—Nashville, Tenn.—City Council appropriated $40,000, grading and equipping aviation field in West Nashville. H. E. Howse, mayor.

Elimination Grade Crossing—Louisville, Ky. — Kentucky & Indiana Terminal Ry. Co., Louisville, W. S. Campbell, mgr. and ch. engr., plans elimination grade crossings by constructing bridges, tunnels, etc. Fellheimer & Wagner, 155 East 42nd St., New York City, engrs. and archts.

Golf Course, etc. — Hudson, O. — S. H. Kleinman Realty Co., East 199th St. and Lake Shore Blvd., having plans prepared by Amer. Park Builders, 201 East Ontario St., Chicago, Ill., 18 hole golf course, artificial lake and dam (earth and concrete bulkhead), here. $200,000.

Gas Mains—Indianapolis, Ind.—Citizens Gas Co., 47 South Penn. St., W. Kirk, vice-pres., plans 3 mi. 16- to 20-in. trunk mains in various streets. $400,000.

Subway — Ames, Ia. — City, Chicago & Northwestern R.R. Co., West Jackson and Franklin Sts., Chicago, Ill., W. J. Towne, ch. engr., and Ft. Dodge, Des Moines & Southern R.R. Co., Boone, R. L. Cooper, ch. engr., making preliminary plans rein.-con. subway under railroad tracks at 6th St. and Russell Ave. $53,000.

Hockey Rink, Swimming Pool, etc. — Kansas City, Mo.—See "Buildings—Commercial."

Pipe Line—Texas—Lehman & Van Bebber, Brady, making preliminary plans 2 mi. 6- to 8-in. mains from oil wells in northwestern part McCulloch Co. to Frisco tracks near Brady. $35,000. Private plans.

Transmission Lines — Texas — Oil Belt Power Co., c/o J. E. Lewis, vice pres., Eastland, making plans 265 mi. high lines radiating from company power plant point 3 mi. south of Eastland. $300,000 funds available. Private plans.

Transmission Line—Texas—West Texas Utilities Co., Abilene, making plans 150 mi. transmission line from San Angelo to Crane Co., supplying power to Mertzon, Sherwood, Bernhart, Big Lake, etc., also steam turbine generating plant about 20 mi. from San Angelo $2,000,000. Private plans.

Hangar—Beaumont, Tex.—A. R. Hazard & R. Maverick, making plans hangar and tool shop. $60,000 incl. machinery. Private plans.

Gas Distributing System — Clarendon, Tex.—A. J. Hardendorf, making surveys natural gas distributing system for City. $75,000. J. Rady, Clarendon, engr.

Natural Gas System—Dalhart, Tex.—A. D. Morton, Bartlesville, Okla., plans natural gas distributing system, 2- to 8-in. pipe, here. $60,000. Address S. Brown, Dalhart, representative of owner.

Oil Pipe Line—Dumas, Tex.—Prairie Pipe Line Co. making plans 25 mi. 4 in. oil pipe line from Southwestern Hutchinson Co. from Marchant Pool. $100,000. Private plans.

Wharves and Shed — Houston, Tex. — Navigation Dist., c/o R. S. Sterling, Court House, having plans prepared rein.-con. shed and Wharfs 14 and 15, 1 story, 500 ft. built up roof, 960 ft. long, Turning Basin. $550,000. Engineer and architect not announced.

Lighting System—Marfa, Tex.—Central Power & Light Co., c/o Frost Bldg., San Antonio, soon takes bids rebuilding lighting system. $30,000 incl. machinery. Private plans.

Causeway — Point Isabel, Tex. — S. Robertson making plans 1½ mi. timber and concrete causeway connecting mainland at Point Isabel with Clark's and Brazos Islands. $75,000. Private plans.

Causeway—Port Arthur, Tex.—Sabine Developers, Inc., c/o H. L. McKee, 2735 Proctor St., made plans and soon takes bids 6 mi. causeway, 40 ft. roadway, sidewalks, 15 ft. elevation, across Sabine Lake from Port Arthur pleasure pier to Cameron Parish, La. 3 mi. on Texas side will be earthen dump with graveled or shelled surface, 3 mi. concrete in Louisiana, 60 ft. span lift bridge at center of causeway for lake craft. $1,500,000. Private plans.

Land Development—San Antonio, Tex.—D. Yates c/o Frost Bldg., making plans developing 56 acre land fronting on Vance-Jackson Rd., Bexar Co., incl. paving $30,000, waterworks $20,000, etc. Private plans.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, made preliminary plans 17 mi. 33,000 volt electric transmission line from Konowa to Macomb. $30,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, plans 66,000 volt transmission line from Drumwright to Chandler. $40,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Transmission Line and Distribution System—Oklahoma—Southwest Light & Power Co., Braniff Bldg., Oklahoma City, plans 18 mi. 33,000 volt transmission line to Sayre, and distribution system in Erick. $45,000.

Bids Desired

Turbine Room—East Walpole, Mass.—Bird & Sons, Inc. taking bids 1 story, concrete and steel turbine room extension. Private plans.

Foundation, etc.—Haverhill, Mass.—City, F. D. McGregor, mayor, taking bids 45 x 80 ft. concrete foundation for fire station, also 42 x 200 ft. retaining walls. $90,000. Morse & Dickinson, 1 Beacon St., Boston, engrs. Noted Jan. 13, under "Buildings—Commercial."

Automatic Fire Sprinklers—Binghamton, N. Y.—July 27, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, automatic fire sprinklers at Binghamton State Hospital, here; adv. E. N.-R. July 7. Noted June 23.

Electrical Work—Newark, N. Y.—July 27, by Commissioner of Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing electrical work in Building "A," etc., at State School for Mental Defectives, here; adv. E. N.-R. July 7.

Shed—New York, N. Y.—July 14, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, shed on East 139th and 140th Sts. Dump on Harlem River, (Contr. 1852-C).

Subway—Phila., Pa.—July 19, by H. E. Ehlers, dir., 1211 Chestnut St., constructing approximately 3,020 lin.ft. South Broad Street Subway, Contr. 109; adv. E. N.-R. June 30 and July 7.

Power and Light Extensions, etc.—Batesville, Ark.—See "Contracts Awarded."

Grain Terminal—St. Paul, Minn.—July 12, by A. E. Eggert, city purch. agt., grain terminal, incl. facilities for loading bulk and sacked grain, also incline trestle type cradle and wharf barge, trackage, etc. on Mississippi River levee near Chestnut St. $150,000. G. M. Shepard, city engr.

Transmission Line—Texas—See "Contracts Awarded."

Land Development—Odessa, Tex.—Wink Townsite Co., Inc., c/o J. T. Cross, pres., taking bids developing 650 acres land into new townsite, incl. waterworks $35,000, sewers $40,000, and paving $75,000, approximately 10 mi. from here. Private plans.

Ramp and Loading Stations, etc.—Portland, Ore.—See "Bridges."

Contracts Awarded

Wharf—Boston, Mass.—Central Wharf Co., 37 Central Wharf, for 36 Central Wharf, timber, to L. D. Willcutt & Sons, 146 Summer St. Engrs. est. $25,000.

Comfort Station—Lynn, Mass.—Bd. Park Comrs., A. T. Comstock, chn., concrete comfort station, Strawberry Ave., to P. Barker, 13 Arlington St. Engrs. est. $25,000. Noted June 30.

Heating, Ventilating, etc. — Kingston, R. I.—Bd. Educ., State House, Providence, heating and ventilating in engineering building, College Grounds, to Files Eng. Co., 131 Bourn St., Providence, $19,248. Engrs. est. $25,000. Noted June 9.

Fences—Providence, R. I.—Water Supply Bd., 23 mi. Knox type wire fence, concrete posts about Scituate Reservoir, to R. A. Bergeson, 41 Baxter St., Woonsocket, $66,491. Noted June 9.

Athletic Field—East Orange, N. J.—Bd. Recreation, City Hall, grading, cinder track, house, etc., here, to Potterton Hayes & Smith, 215 West 28th St., New York City. Engrs. est. $25,000.

Bath House—Phila., Pa.—Stewardson & Page, archts., 315 South 15th St., 2 story and basement, 52 x 53 ft., rein.-con. and brick, plain foundation, 1808-14 East Hazzard St., to Townsend, Schroeder & Wood, Drexel Bldg., for Public Bath Assn. of Phila., 718 Wood St. Noted June 16.

Stadium — Huntington, W. Va. — Park Comn., (1st unit) concrete and steel stadium Charleston Ave. and 15th St., to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa., $90,000. Noted Mar. 24.

Sand Bins, Sand Dryer and Compressor House—Mendenhall, Miss.—Gulf & Ship Island R.R. Co., c/o Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., elevated steel dry sand bins, sand dryer and compressor house, cinder pits, also sewer and water facilities, etc., here, to Zitterell-Mills Co., Webster City, Ia.

Coal Dock—Cincinnati, O.—Cleveland, Cincinnati, Chicago & St. Louis R.R., H. Baldwin, ch. engr., 230 East 9th St., 1 story coal dock, rein.-con., plain foundation, Hillside Ave., to Ogle Constr. Co., 28 East Jackson St., Chicago, Ill., $40,000.

Coal Mine Tipple — Harrisburg, Ill. — O'Gara Coal Co., 310 South Michigan Ave., Chicago, 4 track tipple and facilities for screening, picking and refuse disposal for 3,000 ton capacity per day, also four bin rescreener making sizes under 2 in. and facilities handling any commercial size coal for local trade, truck loading, steel and concrete, to Allen & Garcia Co., 21 East Van Buren St., Chicago; 300 tons structural steel, to Continental Bridge Co., 53 West Jackson Blvd., Chicago.

Culvert—Iowa—See "Bridges."

Power and Light Extensions etc.—Batesville, Ark.—Arkansas Power & Light Co., Pine Bluff, will extend 110 kv. system to here, large transformer station, extend electric distribution system to industries adjacent to Batesville, also extensions and replacements for water and light distribution systems here, by own forces. $750,000. Noted June 23.

Coaling Station — Bonne Terre, Mo. — Mississippi River & Bonne H. Schanti, ch. engr., 200 ton rein.-con. automatic electric conveyor type coaling station, here, to Fairbanks, Morse & Co., 900 South Wabash Ave., Chicago, Ill.

Transmission Line—Texas—Texas Electric Serv. Co. will build 100 mi. transmission line between Wichita Falls and Burkburnett, by day labor. $275,000. Private plans.

Transfer Shed, etc.—Corpus Christi, Tex.—Nueces Co. Navigation Dist., concrete, brick and steel addition to transfer sheds and warehouse, to Sumner Sollitt Co., c/o Natl. Bank of Commerce Bldg., San Antonio, $102,000.

Materials

Proposed Work

Pipe—Santa Cruz, Calif.—R. S. Tait, city water supt., plans purchasing 1,000 ft. 10 in. water pipe. J. K. James, city engr.

Bids Desired

Granite Blocks—New York, N. Y.—July 13, by J. Miller, pres. Manhattan Boro. Municipal Bldg., 50,000 special 5 in. granite paving blocks.

Frogs, Switches, etc.—Phila., Pa.—July 11, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., frogs, switches, crossings, gauge rods, etc., Contr. 86-1927.

Pipe—Cleveland, O.—July 8, by City, 100 tons ¾ in. and 10 tons 1 in. lead pipe, also 835 tons 3- to 60-in. c.i. pipe.

Lighting Posts and Cable — Cushing, Okla.—City in market 200 "White Way" lighting posts and 19,000 ft. armored cable. L. A. Crenshaw, mayor.

Bids Received

Ties and Timber—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., July 1, supply untreated ties and timber for use in constructing 14th St.—Eastern Line (Order 18), from R. D. Walker Lumber Co., 1st Natl. Bank Bldg., Mobile, Ala., $4,767. Noted June 23.

See proposal advertising on page 160

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Unit Price Lists Published in June, 1927

		Issue of
Borings	New York, N. Y.	June 9
Bridge	Florida	June 2
Bridge	Pittsburgh, Pa.	June 2
Bridge	Montana	June 16
Bridge	Akron, Ohio	June 23
Bridge	Washington	June 23
Bridge	Akron, Ohio	June 30
Conduit	Syracuse, N. Y.	June 2
Conduit	Syracuse, N. Y.	June 9
Elevated Railroad	New York, N. Y.	June 16
Pipe Line	Okmulgee, Okla.	June 2
Power Plant	Fremont, Neb.	June 13
Reservoir	Mansfield, Ohio	June 13
Road	Montana	June 2
Road	Florida	June 2
Road	Cincinnati, Ohio.	June 9
Road	Akron, Ohio	June 16
Road	Florida	June 16
Sewers	Paducah, Ky.	June 2
Sewers	San Jose, Calif.	June 9
Sewers	Amarillo, Tex.	June 23
Signal Towers	Brooklyn, N. Y.	June 30
Street Improvements	Los Angeles, Calif.	June 16
Street Improvements	Knoxville, Tenn.	June 30
Tunnel	Rutland, Mass.	June 23
Tunnel	Detroit, Mich.	June 23
Water-Works Improvements	Elkhart, Ind.	June 2
Water System	Akron, N. Y.	June 9

Steel castings in connection with laying 11,505 ft. of 42-in. pipe for the Board of Water Commissioners of Detroit were estimated to cost 20 to 50 cents per lb. for 9,700 lb. The prevailing price was 25 cents. For c.-i. castings the bids ranged from 10 to 20 cents, with six of the eleven contractors bidding 10 cents.

Creosoted wood piling $1 to $1.50 per lin.ft. for 1,620 ft. in bridge job in Kansas for the state highway department. There were seven bids, averaging $1.25; the engineer's estimate was $1.05.

Maintenance Costs of Various Types of Roads

Type of Pavement	Cost per Mile: Miles maintained excluding change to more permanent type.	Excluding change to more durable type.	Pavement only excluding change to more durable type.	Other than pavement
Bit. mac. penetration-asphalt	3560.36	926	$623	$303
Bit. mac. penetration tar binder	276.71	1,033	565	468
Bit. mac. penetration A conc. base	46.47	401	477	224
Bit. mac. penetration T conc. base	26.63	333	203	130
Waterbound macadam	2184.72	1,059	776	283
Conc. 1st cl. 1-2-4 mix or better	2557.27	487	284	203
Conc. 2nd cl.	137.05	1,044	744	300
Conc. Hassam	16.47	1,220	806	414
Brick pavement	257.45	730	493	237
Gravel	122.00	888	662	226
Topeka, concrete base	85.80	727	523	204
Topeka, macadam base	69.47	1,229	646	583
Amiesite, concrete base	6.42	674	459	215
Amiesite, macadam base	5.55	123	112	11
Open mix conc. base (inc. cold patch)	26.61	353	166	187
Open mix mac. base (inc. cold patch)	11.62	336	235	101
Bit. conc. base	14.95	553	511	42
Warrenite bit. conc. base	5.62	190	59	131
Willite conc. base	4.87	682	617	65
Bitoslag conc. base	2.31	728	550	178
Asphaltic conc.-concrete base	1.55	159	28	131
Gravel mix-gravel base	5.05	560	466	94
Henderson-macadam base	0.51	61	610	....
Asphalt block	17.65	1,604	1,351	253
Asphalt block mac. base	2.12	1,479	1,417	62
Wood block	0.52	34	34	0
Stone block	3.66	1,121	829	292
Brick cubes, mac. base	....	....	....	....
Sub-base bituminous	6.55	679	375	304
Bit. mac. layer method	7.29	1,146	537	609
Kentucky rock asphalt	14.53	663	613	50
Rocmac	0.15	2,260	2,260	....
3 strip dual (1st cl. conc. and bit. mac.)	73.57	534	309	225
2 strip dual (1st cl. conc. and W.B. and bit. mac.)	2.07	225	142	83
2 strip dual (brick and W. B. mac.)	0.48	698	663	235
2 strip dual (brick and earth)	12.79	326	236	90
2 strip dual conc. and earth	15.34	250	107	143
2 strip dual 1st cl. conc. and bit. mac.	3.85	1,198	814	384
3 strip dual conc. and W. B. mac.	2.19	337	170	167
2 strip dual conc. and gravel	0.70	439	439	....
2 strip dual brick and bit. mac.	5.78	4,342	4,102	240
2 strip dual brick and conc.	6.49	794	716	78
2 strip dual brick and conc.	3.93	767	630	137
3 strip dual brick and bit conc.	1.59	145	145	....
Earth	3.01	98	98	....
Average		830	$559	$271

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Bridge—New York-New Jersey

Bids were opened by Port of New York Authority, 75 West St., Apr. 11, for Contract HRB-2, New Jersey tower foundation for Fort Washington-Fort Lee Bridge, open cofferdam method, from (A) Silas B. Mason, 17 West 60th St., (awarded contract); (B) Ground Construction Corp. of Delaware; (C) Triest Contracting Co.; (D) Underpinning & Foundation Co.; (E) The Foundation Co.; (F) Cornell Contracting Corporation. The unit bids are as follows:

	A	B	C	D	E	F
Open cofferdams in place (lump sum)	$580,000.00	$582,000.00	$990,000.00	$500,000.00	$1,128,000.00	$1,218,000.00
65,000 bbl. cement	2.40	3.00	1.60	4.00	3.50	3.50
22,300 cu.yd. foundation work between elevations—15.0 and—50.0	6.00	6.00	13.00	27.00	7.50	12.00
2,000 cu.yd. rock excavation between elevations—15.0 and—50.0	8.00	10.00	20.00	13.00	20.00	22.00
4,200 cu.yd. foundation work between elevations—50.0 and—60.0	6.00	6.50	13.00	27.00	8.00	12.00
2,400 cu.yd. rock excavation between elevations—50.0 and—60.0	8.00	20.00	20.00	13.00	20.00	22.00
1,600 cu.yd. foundation work between elevations—60.0 and—70.0	6.00	7.00	13.00	27.00	10.00	12.00
1,200 cu.yd. rock excavation between elevations—60.0 and—70.0	8.00	22.00	20.00	18.00	20.00	22.00
500 cu.yd. foundation work between elevations—70.0 and—80.0	6.00	7.50	13.00	27.00	25.00	12.00
400 cu.yd. rock excavation between elevations—70.0 and—80.0	12.00	30.00	20.00	20.00	30.00	22.00
200 cu.yd. foundation work below elevation—80.0	6.00	25.00	13.00	27.00	40.00	12.00
150 cu.yd. rock excavation below elevation—80.0	12.00	50.00	20.00	23.00	50.00	22.00
13,400 cu.yd. concrete or cyclopean masonry in tower bases	6.00	6.00	11.00	10.00	7.50	12.00
1,460 cu.yd. granite facing	45.00	40.00	40.00	40.00	41.00	80.00
1,460 cu.yd. laying granite facing	15.00	22.00	30.00	20.00	25.00	20.00
800,000 lb. reinforcement	.04	.05	.05	.06	.08	.075
Totals	$1,160,200	$1,282,870	$1,881,000	$1,897,450	$1,985,210	$2,923,200

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